

UNITED STATES AIR FORCE

OCCUPATIONAL SURVEY REPORT

GROUND RADAR SYSTEMS

AFSC 2E0X1

OSSN 2299

SEPTEMBER 1998

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**OCCUPATIONAL ANALYSIS PROGRAM
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON
AIR EDUCATION AND TRAINING COMMAND
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PREFACE

This report presents the results of an Air Force Occupational Survey of the Ground Radar Systems career ladder, Air Force Specialty Code (AFSC) 2E0X1. Authority for conducting occupational surveys is contained in AFI 36-2623. Copies of this report and pertinent computer printouts are distributed to the Air Force Functional Manager, the technical training location, all major using commands, and other interested operations and training officials.

The survey instrument was developed by First Lieutenant Todd L. Osgood, Inventory Development Specialist, with computer programming support furnished by Mrs. Jeanie C. Guesman and administrative support provided by Mr. Richard G. Ramos. First Lieutenant Diedre N. Presley and First Lieutenant Charlie L. Law, Occupational Analysts, analyzed the data and wrote the final report. This report has been reviewed and approved by Lieutenant Colonel Roger W. Barnes, Chief, Airman Analysis Section, Occupational Analysis Flight, Air Force Occupational Measurement Squadron (AFOMS).

Additional copies of this report can be obtained by writing to AFOMS/OMYXI, 1150 5th Street East, Randolph AFB Texas 78150-4449, or by calling DSN 487-5543. For information on the Air Force occupational survey process or other on-going projects, visit our web site at <http://www.omsq.af.mil>.

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SUMMARY OF RESULTS

1. **Survey Coverage:** The Ground Radar Systems career ladder was surveyed to obtain current task and equipment data for use in evaluating current training programs. Survey results are based on responses from 1,064 respondents (64 percent of total number surveyed). The survey sample satisfactorily represents the overall career ladder population.
2. **Specialty Jobs:** Three clusters and six independent jobs were identified in the career ladder analysis. The six independent jobs identified were: Maintenance Control, Maintenance Support Evaluator, Engineering and Installation, Radar Evaluation, Contract Evaluator/Quality Assurance, and Technical Order Personnel. The four jobs comprising the Radar Systems Maintenance Cluster were: Aircraft and Warning Radar Technician, Air Traffic Control Radar Technician, Mobil Air Traffic Control Radar Technician, and Automatic Tracking Radar Technician. The three jobs comprising the Supervisory and Management Cluster were: Chiefs, Superintendents, and NCOICs. The four jobs comprising the Training Cluster were: Training Manager, Instructor, Training NCO, and CDC writer.
3. **Career Ladder Progression:** Skill-level progression for members of this AFSC is typical of most career ladders. Personnel at the 3- and 5-skill levels perform many tasks in common and both groups spend the vast majority of their relative job time performing general maintenance activities. At the 7-skill level, although members still perform technical tasks, a shift toward supervisory and management functions is evident. Personnel at the 9-skill level spend their relative job time performing management and supervisory activities.
4. **Training Analysis:** A comprehensive review of the Specialty Training Standard (STS) found that most paragraphs were supported by the survey data. However, two areas in the STS display tasks with less than the recommended percent members performing. These areas should be reviewed to determine any modifications required to improve the effectiveness or efficiency of training. The Plan of Instruction was not covered in this report due to recent changes being worked at the technical school.
5. **Job Satisfaction Analysis:** In general, job satisfaction among AFSC 2E0X1 personnel is high. Data show AFSC 2E0X1 personnel satisfaction indicators are comparable with their counterparts in other mission equipment management AFSCs. Overall, respondents within the various job groups find their work interesting and feel their talents and training are well used.
6. **Implications:** Survey results indicate the present classification structure is supported by survey data. Career ladder training documents are well supported by survey data and the overall training system is perceived to be working well, based on career ladder member responses. Responses by sample personnel reflect positive feelings toward their jobs and training.

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**OCCUPATIONAL SURVEY REPORT (OSR)
GROUND RADAR SYSTEMS
(AFSC 2E0X1)**

INTRODUCTION

This is a report of an occupational survey of the Ground Radar Systems (AFSC 2E0X1) career ladder completed by the Air Force Occupational Measurement Squadron. These data will be used to review the AFMAN 36-2108 *Airman Classification* and training documents. The last OSR was published in August 1995.

Background

As described in the AFMAN 36-2108 *Airman Classification*, dated 11 March 1998, personnel in this career ladder install, maintain, and repair fixed or mobile air traffic control, weather, ground aircraft control and warning, and automatic tracking radar systems. Also included are electronic combat systems and associated closed circuit television display and signal analysis equipment, related radar operator training devices, radar beacon systems, aircraft identification equipment, remotoring systems, video mappers, computerized processors, and communications subsystems. Ground Radar Systems personnel operate and relocate automatic tracking radar and electronic combat systems; signal analysis equipment; and related support and communications equipment. They evaluate and resolve problems encountered during siting, installing, repairing, and overhauling ground radar systems and use layout drawings, schematics, and pictorial diagrams to solve maintenance problems. They also establish work standards, methods, and controls for functions such as periodic inspections, operational testing, and equipment repair. Further responsibilities include developing and enforcing safety standards and practices for ground radar maintenance activities.

Entry into the career ladder currently requires an Armed Services Vocational Aptitude Battery Electronic score of 67. The sequence of technical training for this AFSC begins with attending a 169-day Ground Radar Systems Apprentice Course conducted at Keesler AFB MS. The course curriculum includes training generic apprenticeship knowledge required to support installation, maintenance, and repair of fixed or mobile air traffic control, weather, ground aircraft control and warning, and automatic tracking radar systems; electronic combat systems; and associated closed circuit television display equipment, signal analysis equipment, related radar operator training devices, radar beacon systems, aircraft identification equipment, remotoring systems, video mappers, computerized processors, common and specialized radar test equipment

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and communications subsystems in support of the ground radar systems specialist career field. Upon successful completion of the Ground Radar Systems Apprentice Course, students are awarded the 3-skill level.

SURVEY METHODOLOGY

Inventory Development

The data collection instrument for this occupational survey was USAF Job Inventory (JI) OSSN 2299, dated July 1997. A tentative task list was prepared after reviewing pertinent career ladder publications and directives, pertinent tasks from the previous survey instrument, and data from the last OSR. The preliminary task list was refined and validated through personal interviews with 41 subject-matter experts (SMEs) at the technical training location and at the following operational bases:

| <u>BASE</u> | <u>UNIT VISITED</u> |
|----------------------|-------------------------------|
| Keesler AFB MS | 344 TRS/TTERC |
| Hill AFB UT | 729 ACS/LGCR 84 RADES/TOSR |
| Mountain Home AFB ID | 366 RANS/CS |
| Laughlin AFB TX | 47 COM/CC |
| Tinker AFB OK | 32,33,34 CCS/CYC |

The resulting JI contains a comprehensive listing of 1,093 tasks grouped under 21 duty headings and a background section requesting such information as grade, duty title, organizational level, type of facility where employed, test equipment operated, coder-decoder systems maintained, interrogator-responder sets maintained, ancillary equipment maintained, radar equipment evaluated, air traffic control radar equipment used, aerospace control and warning radar equipment used, and automatic tracking radar equipment operated or maintained.

Survey Administration

From September 1997 through January 1998, Base Training Offices administered the inventory to 1,675 eligible Active Duty and Air National Guard AFSC 2E0X1 personnel. To qualify for the survey, personnel were required to hold a duty AFSC of 2E031, 2E051, 2E071, 2E091, or 2E000. Excluded from the survey were personnel in PCS, student, or hospital status, or with less than 6 weeks on the job. Job incumbents were selected from a computer-generated mailing list obtained from personnel data tapes maintained by the Air Force Personnel Center, Randolph AFB TX.

Each individual who completed the inventory first completed an identification and biographical information section and then checked each task performed in his or her current job. After checking all tasks performed, each member then rated each of these tasks on a 9-point scale, showing relative time spent on that task, as compared to all other tasks checked. The ratings ranged from 1 (very small amount time spent) through 5 (about average time spent) to 9 (very large amount time spent).

To determine relative time spent for each task checked by a respondent, all of the incumbent's ratings are assumed to account for 100 percent of his or her time spent on the job and are summed. Each task rating is then divided by the total task ratings and multiplied by 100 to provide a relative percentage of time spent for each task. This procedure provides a basis for comparing tasks in terms of both percent members performing and average percent time spent.

Survey Sample

Personnel were selected to participate in this survey so as to ensure an accurate representation across major commands (MAJCOM) and paygrade groups. All eligible AFSC 2E0X1 personnel were mailed survey booklets. Table 1 reflects the percentage distribution, by MAJCOM, of assigned AFSC 2E0X1 personnel as of September 1997. The 1,064 respondents in the final sample represent 58 percent of the total assigned personnel. Table 2 reflects the paygrade distribution for these AFSC 2E0X1 personnel.

Task Factor Administration

Job descriptions alone do not provide sufficient data for making decisions about career ladder documents or training programs. Task factor information is needed for a complete analysis of the career ladder. While most participants in the survey process completed an USAF JI, selected senior AFSC 2E0X1 personnel were also asked to complete booklets rendering judgments on task training emphasis (TE) or task difficulty (TD). The TE and TD booklets were processed separately from the JIs. The information gained from these task factor data is used in various analyses and is a valuable part of the training decision process.

Training Emphasis (TE). TE is a rating of the amount of emphasis that should be placed on tasks in entry-level training. The 61 senior AFSC noncommissioned officers (NCOs) who completed a TE booklet were asked to select tasks they felt required some sort of structured training for entry-level personnel and then indicate how much training emphasis these tasks should receive, from 1 (extremely low emphasis) to 9 (extremely high emphasis). Structured training is defined as training provided at resident technical schools, field training detachments, mobile training teams, formal on-the-job-training (OJT), or any other organized training method. The interrater reliability was excellent, indicating very strong agreement among the 61 raters as to which tasks required some form of structured training and which did not. The average TE rating was 1.46, with a standard deviation of 1.17. Any task with a TE rating of 2.63 or above is considered to have high TE.

Task Difficulty (TD). TD is an estimate of the amount of time needed to learn how to do each task satisfactorily. The 86 senior NCOs who completed TD booklets were asked to rate the difficulty of each task using a 9-point scale (extremely low to extremely high). Interrater reliability was acceptable, with high agreement. Ratings were standardized, so tasks have an average difficulty of 5.00 and a standard deviation of 1.00. Any task with a TD rating of 6.00 or above is considered to be difficult to learn.

When used in conjunction with the primary criterion of percent members performing, TE and TD ratings can provide insight into first-enlistment personnel training requirements. Such insights may suggest a need for lengthening or shortening portions of instruction supporting entry-level jobs.

SPECIALTY JOBS (Career Ladder Structure)

The occupational analysis process begins with an examination of the career ladder structure. The structure of jobs within the Ground Radar Systems career ladder was examined on the basis of similarity of tasks performed and the relative percent of time spent ratings provided by job incumbents, independent of other specialty background factors.

The first step in the analysis process is to identify the structure of the career ladder in terms of the jobs performed by the respondents. Comprehensive Occupational Data Analysis Programs (CODAP) assist by creating an individual job description for each respondent based on the tasks performed and relative amount of time spent on the tasks. The CODAP automated job clustering program then compares all the individual job descriptions, locates the two descriptions with the most similar tasks and time spent ratings, and then combines them to form a composite job description. In successive stages, new members are added to the initial group or new groups are formed based on the similarity of tasks performed and time spent ratings.

The basic group used in the hierarchical clustering process is the Job. When two or more jobs have a substantial degree of similarity in tasks performed and time spent on tasks, they are grouped together and identified as a Cluster. The structure of the career ladder is then defined in terms of jobs and clusters of jobs. The resulting job structure information can be used to evaluate the accuracy of career ladder documents (i.e., AFMAN 36-2108 *Airman Classification*, the Career Field Education and Training Plan, and Specialty Training Standard (STS)) and to gain a better understanding of current utilization patterns.

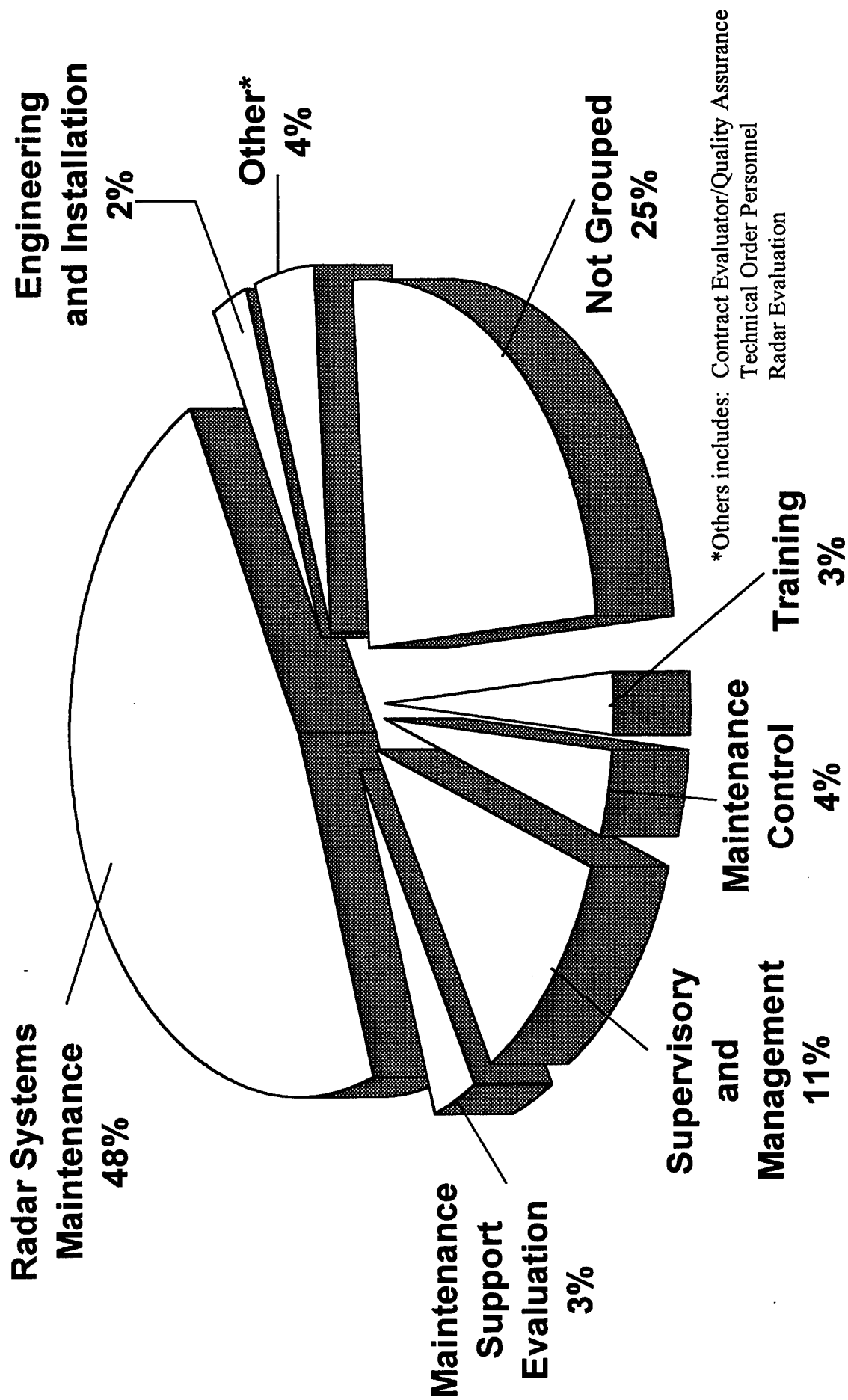
Overview of Specialty Jobs

Structure analysis identified three clusters and six jobs within the survey sample. Based on task similarity and relative time spent, the jobs performed by AFSC 2E0X1 personnel are illustrated in Figure 1. A listing of those jobs is provided below. The stage (ST) number shown beside each title is a reference to computer-printed information; the number of personnel in each stage (N) is also shown.

- I. RADAR SYSTEMS MAINTENANCE CLUSTER (ST096, N=507)
 - A. Aircraft Control and Warning (AC&W) Radar Technician Job (ST173, N=196)
 - B. Air Traffic Control (ATC) Radar Technician Job (ST302, N=27)
 - C. Mobil Air Traffic Control (ATC) Radar Technician Job (ST320, N=72)
 - D. Automatic Tracking Radar (ATR) Technician Job (ST273, N=7)
- II. MAINTENANCE CONTROL JOB (ST131, N=40)
- III. MAINTENANCE SUPPORT EVALUATOR JOB (ST128, N=32)
- IV. ENGINEERING AND INSTALLATION JOB (ST039, N=27)
- V. RADAR EVALUATION JOB (ST271, N=18)
- VI. CONTRACT EVALUATOR/QUALITY ASSURANCE JOB (ST141, N=16)
- VII. TECHNICAL ORDER PERSONNEL JOB (ST104, N=9)
- VIII. TRAINING CLUSTER (ST068, N=30)
- IX. SUPERVISORY AND MANAGEMENT CLUSTER (ST079, N=122)

2E0X1 CAREER LADDER JOBS

Figure 1



The respondents forming these jobs account for 75 percent of the survey sample. The remaining 25 percent are performing tasks or a series of tasks that did not group with any of the defined jobs. Some of the job titles given by respondents representative of these personnel include: Deployment Planner, Electronics Technician, Electronic Mechanic, Cyber Grunt, Fax Chief, Environmental Specialist, Wing Exercise Evaluator, Team Member.

Group Descriptions

The following paragraphs contain brief descriptions of the jobs identified through the career ladder structure analysis. Table 3 presents the relative time spent on duties by members of these specialty jobs. Selected background data for these jobs are provided in Table 4. Representative tasks for all the jobs are contained in Appendix A.

I. RADAR SYSTEMS MAINTENANCE CLUSTER (ST096). This cluster represents the core jobs of the Ground Radar Systems career ladder. The 507 members in this cluster represent the largest identified group, encompassing 48 percent of the survey sample. This functional area is characterized by the commonality of tasks associated with the maintenance of radar systems. Tasks performed by these members encompass the essence of Ground Radar Systems activities as members repair, overhaul, maintain, and install radar systems. Because this is the core job of the Ground Radar Systems career ladder, members spend relatively high amounts of time performing tasks in all duties (see Table 3). They spend 15 percent of their time performing general maintenance activities, 12 percent maintaining radar transmitter systems, 11 percent maintaining receiver or processor systems, and 10 percent maintaining antenna and waveguide systems. The following tasks demonstrate the nature of work performed by these individuals:

- perform equipment maintenance using test equipment
- perform PMIs on transmitter systems
- read and interpret equipment technical manuals
- perform PMIs on antenna systems
- clean or replace filters
- perform general soldering
- perform visual inspections of communications-electronics systems
- input core automated maintenance system (CAMS) data on computer terminals
- perform PMIs on receiver or processor systems
- research Federal Logistics (FEDLOG) systems
- perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans

Personnel in this cluster average 9 years TAFMS. The majority of personnel in this cluster are in the paygrades of E-4 through E-6, and most hold a 5-skill level (see Table 3). Forty-six percent of all members in this group are currently supervising others. Members average 257 tasks performed, the most of any group.

There is a high overlap in tasks performed across radar types; however, radar system-specific tasks did break the area into four distinct jobs, according to the specific type of radar being maintained. There are AC&W Radar Technicians who are predominately E-4s and E-5s holding a 5-skill level. They perform an average of 153 tasks, the majority of which are general maintenance activities. A few of the AC&W radars maintained include the TLQ-32, TPS-75, and the TPS-43E. The radar maintenance on these systems is performed by 51 members, representing 5 percent of the total survey sample.

The second job within the cluster is comprised of 27 ATC Radar Technicians. These members are mostly E-4s and E-5s holding a 5-skill level. Members in this group average 347 tasks, the majority of which involve maintaining receiver or processor systems, performing general maintenance activities, maintaining antenna and waveguide systems, and maintaining radar transmitter systems. The radar systems involved include airport surveillance radars (GPN-12 and GPN-20), NEXRAD WSR-88D, precision approach radars (FPN-62 and GPN-22), and radar approach controls (GSN-12).

The third job within the cluster is comprised of 72 Mobile ATC Radar Technicians. The responsibilities of these respondents differ from those in the ATC Radar Technician Job. While they perform many of the same general tasks, their distinguishing feature is the performance of tasks associated with mobility activities, accounting for 12 percent of their relative job time. These members are mostly E-5s holding the 7-skill level. They perform an average of 283 tasks, the majority of which are maintaining radar transmitter systems, performing general maintenance activities, and maintaining antenna and waveguide systems. They maintain some of the same radar systems as the ATC Radar Technician, but they are heavily involved in the maintenance of the TPN.

The final job within the cluster is comprised of seven ATR Technicians. These members are mostly E-4s holding the 5-skill level. They perform an average of 233 tasks, the majority of which are centered around performing general maintenance activities, maintaining radar transmitter systems, maintaining antenna and waveguide systems, and performing general supply and equipment activities. Some of the radar systems they maintain include the MST-T1A, T-1V Mini-Mutes, AIC-25, Modular Threat Emitters, GRC-171, LMU-24, and Tactical Radar Threat Generators.

II. MAINTENANCE CONTROL JOB (ST131). The 40 airman forming this job account for 4 percent of the survey sample. They perform a number of tasks dealing specifically with general supply and equipment activities. Members in this job spend 50 percent of their duty

time performing general supply and equipment activities (Table 3, Duty Q) and 19 percent performing management and supervisory duties. They perform an average of 53 tasks and are distinguished by the time they spend performing the following tasks:

- maintain equipment status reports
- issue job control numbers
- input core automated maintenance system (CAMS) data on computer terminals
- review CAMS output data
- report communications outages
- maintain support equipment daily status records
- maintain master equipment identification listings
- maintain documentation on items requiring periodic inspection
- review status of awaiting parts (AWP) equipment
- coordinate maintenance of equipment with appropriate agencies
- maintain TCTOs, TCTO status reports, or TCTO history listings
- prepare monthly maintenance reports

Sixty-three percent of these individuals hold the 5-skill level while 33 percent have a 7-skill level. Sixty-three percent are in paygrade E-4 and E-5, with an additional 38 percent in paygrades E-6 and E-7. The average time in the career field is 9 years with an average of 11 years total time in service.

III. MAINTENANCE SUPPORT EVALUATOR JOB (ST128). The 32 members of this job evaluate justification and practicality of recommended improvements to equipment performance and maintenance procedures. They are also responsible for interpreting inspection findings and determining adequacy of corrective actions. Accounting for only 3 percent of the survey sample, they perform an average of 66 tasks, with the majority of their time spent performing tasks under Duty S (Performing Management and Supervisory Activities), Duty U (Performing General Administrative and Technical Order System Activities), Duty P (Performing Quality Assurance Evaluator or Maintenance Support Activities), and Duty Q (Performing General Supply and Equipment Activities). They are distinguished by the time they spend performing the following tasks:

- write inspection reports
- perform technical inspections
- perform surveillance of equipment condition, such as technical order (TO) completeness or corrosion control
- perform surveillance of maintenance management functions
- evaluate inspection report findings or inspection procedures

- perform surveillance of site support functions, such as TMDE, technical data, or supply functions
- evaluate maintenance standardization/evaluation programs (MSEPs)
- maintain TO libraries
- conduct staff assistance visits, inspections, or audits
- evaluate effectiveness of training programs, plans, or procedures
- maintain ATOMS accounts

Averaging 14 years TAFMS, 63 percent hold the 7 skill-level and 34 percent the 5-skill level. The predominant paygrade for these individuals is E-7 (40 percent).

IV. ENGINEERING AND INSTALLATION JOB (ST039). The 27 respondents in this job account for 2 percent of the survey sample. They perform a number of tasks dealing specifically with radar system engineering, installation, or removal. Members within this job spend 40 percent of their duty time performing radar systems engineering, installation, and removal activities (Table 3, Duty O), and 17 percent of their time performing general maintenance activities (Table 3, Duty A). They perform an average of 86 tasks and are distinguished by the time they spend performing the following tasks:

- install or remove equipment cabinets or consoles
- install or remove conduits
- install or remove external power or signal cabling
- pack or unpack support equipment
- install or remove interconnecting cables or harnesses
- install or remove cable troughs or ducting
- install or remove cable support systems
- install or remove cable junction boxes
- fabricate cables, such as coaxial, power, or triaxial
- install or remove ground anchoring equipment
- install or remove grounding systems
- inventory or inspect project (scheme) materials

Seventy-eight percent of these individuals hold the 5-skill level while 19 percent have a 7-skill level. Thirty-seven percent are in the paygrade E-5, with an additional 33 percent in paygrade E-4. The average time in the career field is 10 years.

V. RADAR EVALUATION JOB (ST271). This job involves the assessment of radar system performance and capabilities and the examination of malfunction trends. The 18 airmen performing this job (only 2 percent of the survey sample) spend 52 percent of their relative job time performing radar evaluation activities (Table 3, Duty N), 6 percent maintaining antenna and

waveguide systems (Table 3, Duty E), 6 percent performing management and supervisory activities (Table 3, Duty S), and 10 percent performing general maintenance activities (Table 3, Duty A). The average number of tasks performed is 52. Examples of tasks most commonly performed includes:

- analyze radar performance using computers or specialized hardware
- evaluate beacon systems
- evaluate fixed radars
- construct radar coverage indicators (RCEs)
- perform solar boresights
- perform azimuth orientation checks
- prepare evaluation report products
- predict theoretical radar detection capabilities
- perform prefield studies
- perform lobing studies
- performing clutter tests
- develop evaluation operating instructions (EOIs)

Seventy-eight percent of these individuals hold the 3-skill level, while 22 percent have a 5-skill level. Sixty-seven percent are in the paygrade E-5, with an additional 17 percent in paygrade E-6. The average time in the career field is 10 years, with an average of 12 years total time in service. This job contains the highest number of members in their first enlistment (22 percent).

VI. CONTRACT EVALUATOR/QUALITY ASSURANCE JOB (ST141).

Comprising the most senior individuals in the career ladder, these 16 members account for 1 percent of the survey sample. Forty percent of their relative job time is spent performing management and supervisory activities (Table 3, Duty S), while 29 percent is spent performing quality assurance evaluator or maintenance support activities (Table 3, Duty P). Their primary responsibility is to ensure that proper coordination of work activities with contractor personnel are processed in a timely manner. Tasks which characterize the average 71 tasks performed include:

- evaluate contractor proposals
- develop, evaluate, or rate contract data requirements list (CDRL) items
- coordinate contract issues, such as modification proposals or equipment authorizations, with contract parties
- perform surveillance of maintenance management functions
- develop contractor surveillance implementation plans
- participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting

- initiate contractor discrepancy reports
- perform surveillance of equipment condition, such as technical order (TO) completeness or corrosion control

Eighty-one percent of these individuals hold the 7-skill level, while 13 percent have a 5-skill level. Sixty-nine percent of these members are in the paygrade E-7, with an additional 19 percent in paygrade E-6. The average time in the career field is 14 years with an average of 18 years total time in service.

VII. TECHNICAL ORDER PERSONNEL JOB (ST104). The 9 respondents in this job account for only 1 percent of the survey sample. They perform a number of tasks dealing specifically with maintaining technical orders. Members with this job spend 41 percent of their time performing general administrative and technical order system activities (Table 3, Duty U), 17 percent performing management and supervisory activities (Table 3, Duty S), and 16 percent of their time performing quality assurance evaluator or maintenance support activities (Table 3, Duty P). They perform an average of 21 tasks and are distinguished by the time they spend performing the following tasks:

- maintain ATOMS accounts
- maintain TO libraries
- perform technical inspections
- perform surveillance of equipment conditions, such as technical order (TO) completeness or corrosion control
- review TOs
- establish automated technical order management system (ATOMS) accounts
- evaluate maintenance standardization/evaluation programs (MSEPs)
- review TO changes
- maintain TCTOs
- coordinate requests for TDY orders with appropriate agencies
- perform surveillance of site support functions, such as TMDE, technical data, or supply functions

Sixty-seven percent of these individuals hold the 5-skill level, while 33 percent have a 7-skill level. Seventy-eight percent of these members are in the paygrade E-5, with an additional 22 percent in paygrades E-6 and E-7. The average time in the career field is 11 years with an average 10 years total time in service.

VIII. TRAINING CLUSTER (ST068). This cluster, accounting for 3 percent of the total sample, is comprised of instructors, training managers, career development course writers, and instructor supervisors responsible for the theory and hands-on training of the operation and maintenance ATC, AC&W, and automatic tracking radar systems and associated equipment. This training is provided to entry-level personnel and advanced students at Keesler AFB and various other locations throughout the Air Force. Fifty-three percent of their relative job is spent performing training activities, 18 percent performing management and supervisory activities, and 6 percent performing general maintenance activities. Some of the specialized tasks performed by these members are:

- conduct formal course classroom training
- personalize lesson plans
- develop training materials or aids
- evaluate progress of trainees
- administer or score tests
- inspect training materials or aids for operation or suitability
- develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSS)
- maintain training records or files
- write test questions

Fifty-seven percent of these individuals hold the 5-skill level, while 43 percent have a 7-skill level. Fifty-three percent are in paygrade E-4 and E-5, with an additional 47 percent in paygrades E-6 and E-7. The average time in the career field is 13 years with an average of 14 years total time in service.

IX. SUPERVISORY AND MANAGEMENT CLUSTER (ST079). This cluster consists of 122 members, comprising 11 percent of the survey sample. The primary focus of this cluster is on management functions. Fifty-seven percent of their relative job time is spent performing management and supervisory activities (Table 3, Duty S) and 12 percent performing general supply and equipment activities (Table 3, Duty Q). These individuals spend 93 percent of their time supervising personnel while performing an average of 84 tasks. Examples of tasks most commonly performed include:

- supervise military personnel
- participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting
- write performance reports or supervisory appraisals
- conduct supervisory performance feedback sessions
- write recommendations for awards or decorations
- counsel subordinates concerning personal matters

conduct general meetings, such as staff meetings, briefings,
conferences, or workshops
determine or establish work assignments or priorities
establish performance standards for subordinates

Members of this job are the second most senior, as they average 17 years total time in service and 14 years time in the career field. Sixty-nine percent of these individuals hold the 7-skill level, while 19 percent hold the 5-skill level. Forty percent of these members are in the paygrade of E-7, while 32 percent are in the paygrade of E-6. Ninety-three percent of these individuals report supervising an average of 6 people.

Comparison of Current Jobs to Previous Survey Findings

The results of the specialty job analysis were compared to those of OSR AFPT 90-303-963, Air Traffic Control, AC&W, and ATR, dated August 1995. After reviewing the jobs identified in 1995, all of the groups with substantial numbers of personnel could be matched to similar jobs in the current study (see Table 5). Even though some comparable groups from 1995 to 1998 reflect different percentages of the sample, this variation could generally be attributed to modifications in the task list or to the analysis approach used.

Jobs found in the 1998 survey but not in the 1995 survey include the Maintenance Support Evaluator Job, Engineering and Installation Job, and Technical Order Personnel Job, and the Mobile ATC Radar Technician Job. Aside from these minor variations involving a very small number of personnel, the vast majority of the current sample were found to be performing jobs identified in 1995, thus displaying a relative stable career ladder over time.

ANALYSIS OF DAFSC GROUPS

An analysis of DAFSC groups, in conjunction with the analysis of the career ladder structure, is an important part of each occupational survey. The DAFSC analysis identifies differences in tasks performed at the various skill levels. This information may then be used to evaluate how well career ladder documents, such as the AFMAN 36-2108 *Airman Classification* and the STS, reflect what career ladder personnel are actually doing in the field.

The distribution of skill-level groups across the career ladder jobs is displayed in Table 6. Table 7 offers another perspective by displaying the average percent time spent on each duty across the skill-level groups for the Total Sample, while Table 8 displays this same information for Active Duty personnel. Table 9 displays the average percent time spent on each duty for the Air National Guard. Both 3- and 5-skill level groups perform mostly technical and general maintenance-related duties, with 5-skill level personnel also performing some supervisory and

training duties. Seven-skill level members report a larger amount of their job time is spent on supervisory and training duties (see Table 7, Duties S and T). Members at the 9-skill level are performing more management and supervisory activities, with less emphasis on the technical tasks performed by the 3- and 5-skill levels. This indicates a career ladder with a high level of technical task performance for all personnel up to and including 7-skill level personnel, while personnel at the 9-skill levels are performing management and supervisory activities.

Skill-Level Descriptions

DAFSC 2E031. The 156 airmen at the 3-skill level (representing 15 percent of the survey sample) perform an average of 141 tasks. These personnel are primarily active duty, are in their first enlistment, and perform a variety of technical tasks. Fifty-six percent of the 3-skill level personnel are grouped into the Radar Systems Maintenance Cluster (See Table 6). The 43 percent of 3-skill level personnel not grouped is relatively high. These personnel are not grouped because of the wide variety of tasks they are performing. While most of the 3-skill level personnel are performing very similar tasks as the Radar Systems Maintenance Cluster, they are also performing a wide range of general maintenance tasks. Table 8 shows the average percent time spent performing duties by Active Duty personnel. As shown in Table 8, 22 percent of the respondents' time is spent performing general maintenance activities. Their job focus is shown in Table 10, which lists representative tasks performed by 3-skill level incumbents. Most tasks listed relate to Duty A, performing general maintenance activities.

ACTIVE DUTY DAFSC 2E051. There are 488 Active Duty personnel in the 5-skill level, representing 46 percent of the total sample and 54 percent of the Active Duty sample. Personnel are doing more tasks as they get more proficient in the tasks they learn at the 3-skill level. As with 3-skill level personnel, the largest percentages of Active Duty 5-skill level incumbents work in the Radar Systems Maintenance Cluster. Additionally, a small percentage of personnel are also found in every job except the Contract Evaluator/QAE Job (See Table 6). As displayed in Table 8, 13 percent of the Active Duty respondents' time was spent performing general maintenance activities, while 12 percent was spent performing general supply and equipment activities, and 10 percent of their time was spent performing management and supervisory activities. Table 12 shows the representative tasks performed by Active Duty 5-skill level personnel. This table shows that the 5-skill level members are performing a wide variety of tasks, which is expected at this level. Personnel at this level are performing mostly technical tasks such as performing PMIs, and working on antennas and transmitters. Personnel at the 5-skill level are also performing a limited amount of supervisory and management tasks. Table 14 shows the tasks which best differentiate the 3- and 5-skill level Active Duty personnel. As expected, the 5-skill level personnel are spending much more time than the 3-skill level on supervisory, management, and training tasks.

AIR NATIONAL GUARD DAFSC 2E051. The 77 Air National Guard airmen in the 5-skill level (7 percent of the total survey sample, and 48 percent of the Air National Guard survey sample) perform an average of 134 tasks. The largest percentage of Air National Guard 5-skill level incumbents (44 percent) work in the Radar Systems Maintenance Cluster. Table 6 also indicates a higher percentage of Air National Guard personnel at the 5-skill level are in the Engineering and Installation Job (16 percent). This is the highest percentage of any skill level group (both Active Duty and Air National Guard) for the Engineering and Installation Job. As shown in Table 9, 20 percent of the respondents' time is spent performing general maintenance activities, while 12 percent of their time is spent performing mobility and contingency activities. Table 15 indicates that the Air National Guard 5-skill level members are performing a wide variety of tasks. These tasks are primarily concerned with performing general maintenance activities, and performing mobility and contingency activities. Air National Guard personnel at the 5-skill level are performing very few supervisory and management tasks.

ACTIVE DUTY DAFSC 2E071. The 243 Active Duty NCOs in the 7-skill level (23 percent of the total survey sample and 27 percent of the Active Duty survey sample) perform an average of 144 tasks. Table 6 shows that 29 percent of the Active Duty 7-skill level personnel are in the Radar Systems Maintenance Cluster, which is much lower than the Active Duty personnel at the 5-skill level. Thirty-four percent of 7-skill level personnel are in the Supervisory and Management Cluster. Table 8 shows Active Duty personnel are spending 35 percent of their job time performing management and supervisory activities. By the time the Active Duty personnel reach this skill level, they are spending very little time performing general maintenance activities (Table 8, Duty A). Table 17 lists the most common tasks performed by the Active Duty 7-skill level personnel. Table 17 indicates that personnel are performing mostly supervisory tasks at this skill level and very few technically oriented tasks. Table 19 shows those tasks which best differentiate the 5- and 7-skill levels. As expected, key differences at the 7-skill level are greater emphasis on supervision and administration, with less emphasis on technical tasks.

AIR NATIONAL GUARD DAFSC 2E071. There were 67 Air National Guard NCOs in the 7-skill level, which represents 6 percent of the total sample, and 41 percent of the Air National Guard sample. These personnel perform an average of 162 tasks. Forty-eight percent of Air National Guard 7-skill level personnel are grouped in the Radar Systems Maintenance Cluster (see Table 6), while 15 percent of the Air National Guard 7-skill level sample were grouped into the Maintenance Control Cluster. Additionally, only 2 percent of the Air National Guard 7-skill level sample were in the Supervisory and Management Cluster. Table 9 outlines the duties performed by the Air National Guard 7-skill level sample. Table 20 list the most common tasks performed by Air National Guard 7-skill level personnel. Personnel at the 7-skill level are still performing mostly technical tasks, with very few supervisory or training tasks indicated. Table 21 show those tasks which best differentiate the 5- and 7-skill levels for the Air National Guard.

ACTIVE DUTY DAFSC 2E091. The 15 NCOs in the 9-skill level (1 percent of the total survey sample, and 2 percent of the Active Duty survey sample) perform an average of 120 tasks. This low number of tasks is expected as personnel take on more of the management and supervisory duties. Their job focus shifts from the technical tasks performed by the 3- and 5-skill level personnel to management tasks. Table 6 shows that 73 percent of the Active Duty 9-skill level personnel are in the Supervisory and Management Cluster. There are not any Active Duty 9-skill level personnel in the Radar Systems Maintenance Cluster. Table 8 shows that the Active Duty respondents spend 69 percent of their time performing management and supervisory activities, and very little or no time performing most of the other technical duties performed by the lower skill levels. Table 23 lists the most common tasks performed by Active Duty 9-skill level personnel. This table indicates almost exclusive supervisory tasks are being performed by personnel at the 9-skill level. Table 25 shows those tasks which best differentiate the 7- and 9-skill levels for the Active Duty personnel. The most significant difference between the two skill levels is the increased emphasis on management tasks at the 9-skill level.

AIR NATIONAL GUARD DAFSC 2E091. The 17 Air National Guard NCOs at the 9-skill level represent 2 percent of the total survey sample and 11 percent of the Air National Guard respondents. These personnel perform an average of 179 tasks. Personnel at this level usually are performing less tasks as they take on supervisory-related tasks; however, the Air National Guard personnel are performing very few supervisory tasks and still are performing many technically oriented tasks. Table 6 shows that 41 percent of the Air National Guard personnel are in the Radar Systems Maintenance Cluster, while only 24 percent are in the Supervisory and Management Cluster. Table 9 outlines the duties performed by the Air National Guard. Twenty-five percent of their time is spent performing management and supervisory activities, while an additional 18 percent of their time is spent performing mobility and contingency activities. Table 26 lists the most common tasks performed by the 9-skill level for the Air National Guard personnel. Most tasks are either supervisory in nature, or mobility and contingency related tasks. Table 27 shows those tasks which best differentiate the 7- and 9-skill levels. The most significant difference between the two skill levels is the emphasis on supervisory and management, and mobility and contingency tasks for the 9-skill level.

Active Duty versus Air National Guard Comparison

Table 28 indicates the tasks which best differentiate the Active Duty total sample from the Air National Guard total sample. This table indicates a much higher emphasis on mobility and contingency related tasks for the Air National Guard than for the Active Duty personnel.

According to Table 6, a higher percentage of Air National Guard personnel at the 5-skill level are in the Engineering and Installation Job than their Active Duty counterparts (16 percent vs. 2 percent). Similarly, Table 6 indicates the Air National Guard 5-skill level personnel are not in several of the jobs occupied by Active Duty 5-skill level personnel, such as the Supervisory and Management Cluster, the Maintenance Support Evaluator Job, the Radar Evaluation Job, and the Contract Evaluator/QAE Job. Table 29 indicates the tasks which best differentiate between the

Active Duty and Air National Guard 5-skill levels. The biggest difference is the emphasis on mobility and contingency related tasks being performed by the Air National Guard personnel. Conversely, Active Duty personnel are performing more management and supervisory tasks at this skill level than the Air National Guard personnel.

Table 30 shows the tasks which best differentiate the Active Duty 7-skill level personnel from the Air National Guard 7-skill level personnel. As expected, the Active Duty personnel are spending much more time on supervisory and management tasks than the Air National Guard personnel. Similar to the 5-skill level, the Air National Guard personnel are spending more time on mobility and Contingency tasks than the Active Duty personnel. As Table 6 indicates, 34 percent of Active Duty personnel were in the Supervisory and Management Cluster, with only 2 percent of the Air National Guard in the Supervisory and Management Cluster. Since the Air National Guard members spend very little time performing supervisory duties, this is the most significant area of difference between the two components at this skill level. Additionally, there were a higher percentage of Air National Guard respondents in the Maintenance Control Job and the Radar Systems Maintenance Job than there are Active Duty personnel in either of those two jobs.

The tasks which best differentiate the Active Duty and Air National Guard personnel at the 9-skill level are listed in Table 31. The most significant difference, like the 5- and 7-skill levels, is the emphasis on contingency and mobility related tasks performed by the Air National Guard personnel. Table 6 shows 41 percent of Air National Guard 9-skill level personnel are in the Radar Systems Maintenance Cluster, while there are not any Active Duty 9-skill level personnel in that cluster. Conversely, 73 percent of the Active Duty personnel at this skill level are in the Supervisory and Management Cluster, with only 24 percent of the Air National Guard personnel in this cluster. This indicates that even at the 9-skill level, personnel in the Air National Guard are not taking on as many supervisory and management tasks as their Active Duty counterparts, but are instead still concerned mostly with radar systems maintenance.

Table 7 shows the average percent of time spent performing duties by the total sample (Active Duty and Air National Guard combined). Table 11 shows the representative tasks performed by the total 5-skill level respondents, while Table 13 shows those tasks which best differentiate the 3- and 5-skill levels for the total sample. Table 16 indicates the representative tasks performed by the total 7-skill level sample. Additionally, Table 18 indicates the tasks which best differentiate the total 5- and 7-skill level groups. Similarly, Table 22 shows the representative tasks performed by the total 9-skill level survey respondents, while Table 24 displays the tasks which best differentiate the total 7- and 9-skill levels.

Summary

Career ladder progress for personnel in the Ground Radar career ladder follows a normal pattern of technical job focus at the 3- and 5-skill levels. Personnel slowly progress into supervisory duties at the 5-skill level but are still performing mostly technical tasks, while at the 7-skill level they are primarily concerned with supervising personnel. At the 9-skill level, personnel

are almost exclusively involved in supervisory and management-related tasks. On the other hand, Air National Guard personnel tend to perform a larger number of technical tasks at the upper skill levels, possibly due to the limited number of personnel in these components. Across both the Active Duty and the Air National Guard, emphasis at the 3-skill level is on performing general maintenance activities. At the 5-skill level, members are still primarily concerned with performing general maintenance activities with a small increase in the supervisory duties within the active duty. At the 7-skill level, personnel still perform a limited number of technically oriented tasks, but focus primarily on supervisory and management duties. Personnel in the 9-skill level are working on management and supervisory related tasks almost exclusively.

TRAINING ANALYSIS

Occupational survey data represent one of many sources of information which are used to assist in the development of training programs for career ladder personnel. OSR data useful to training personnel include job descriptions for the various jobs performed within a career ladder, distribution of personnel across career ladder jobs, percentages of personnel performing specific tasks, and percentages of personnel maintaining specific equipment or systems, as well as the difficulty of tasks and TE ratings gathered from senior members of the career ladder.

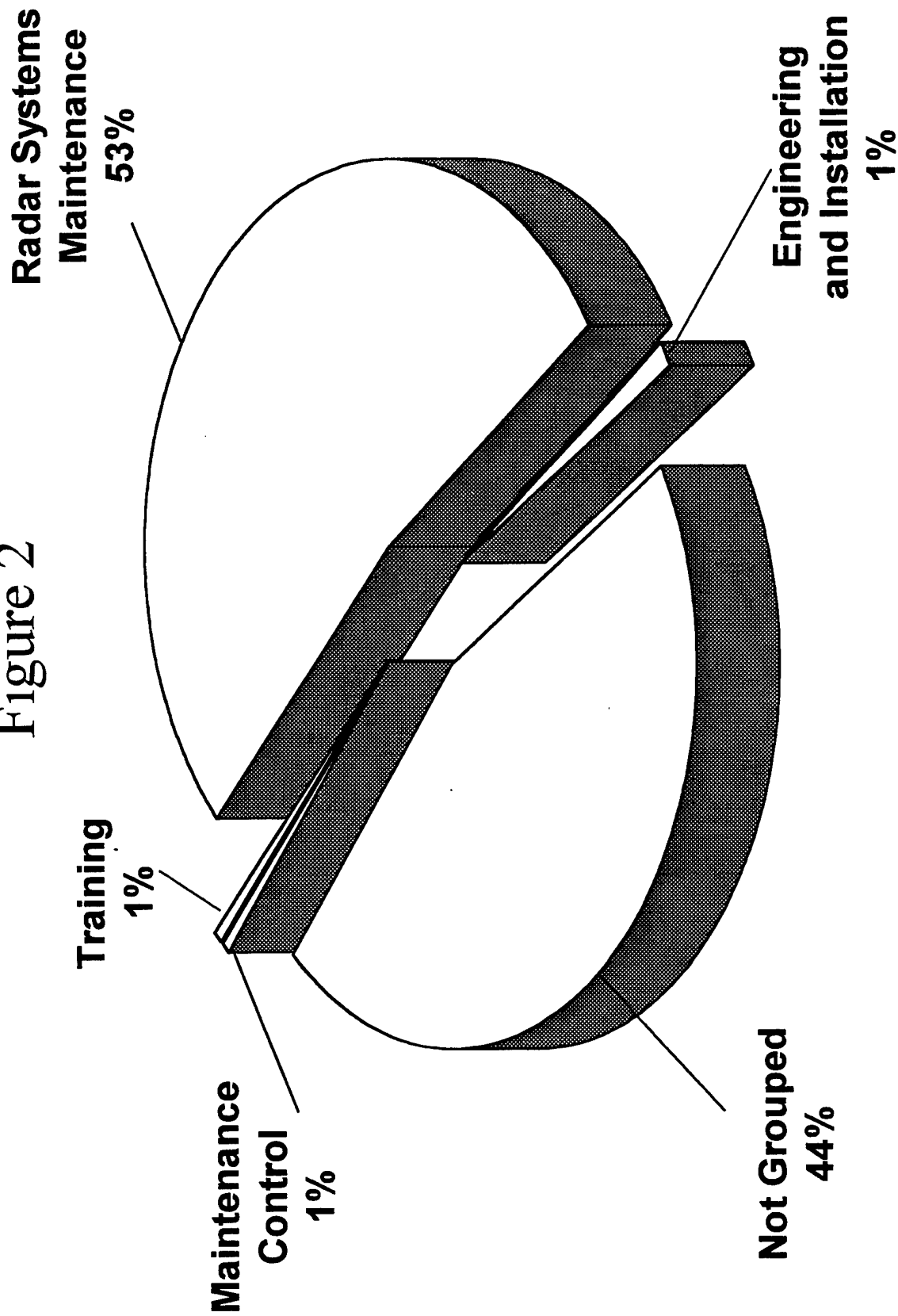
First-Enlistment Analysis

In this study, there are 184 active duty Ground Radar members in their first enlistment (1-48 months TAFMS), representing 20 percent of the survey sample. As displayed in Table 28, 22 percent of their time is spent performing general maintenance activities. Additionally, 13 percent of their time is spent maintaining radar transmitter systems, and 10 percent of their time is spent maintaining antenna and waveguide systems. Figure 2 shows that 53 percent of first-enlistment personnel are working in the Radar Systems Maintenance Cluster. Additionally, 1 percent of first-enlistment personnel are in the Training Cluster, and 1 percent are in both the Maintenance Control and Engineering and Installation jobs. There were 44 percent of first-enlistment personnel that were not grouped into any of the jobs or clusters identified. This large percentage is because of the large variety of tasks that they are performing. There were no first-enlistment personnel in the Supervisory and Management Cluster, in the Maintenance Support Evaluator, the Radar Evaluation, the Technical Order Personnel, or the Contract Evaluator/QAE jobs. This is not surprising since personnel at the higher skill levels traditionally perform these jobs.

Table 29 displays the most commonly performed tasks for active duty first-enlistment personnel. The majority of tasks displayed involve performing very technical, hands-on tasks.

First-Enlistment Personnel Jobs

Figure 2



Training Emphasis (TE) and Task Difficulty (TD) Data

TE and TD data are secondary factors that can help technical school personnel decide which entry-level training tasks to emphasize. These ratings, based on the judgments of senior career ladder NCOs at operational units, provide training personnel with a rank ordering of those tasks considered important for first-enlistment airman training (TE), and a measure of the difficulty of those tasks (TD). When combined with data on the percentages of first-enlistment personnel performing tasks, comparisons can be made to determine if training adjustments are necessary. For example, tasks receiving high ratings on both task factors (TE and TD) accompanied by moderate to high percentages performing may warrant resident training. Those tasks receiving high task factor ratings, but low percentages performing may be more appropriately planned for OJT programs within the career ladder. Low task factor ratings may highlight tasks best omitted from training for first-enlistment personnel. This decision must be weighed against percentages of personnel performing the tasks, command concerns, and criticality of the tasks.

Table 30 lists the tasks having the highest TE ratings, as well as the percentages of first-job, first-enlistment, and TD ratings for each task. The majority of high TE tasks are performed by high percentages of both groups. Most tasks with a high TE involve working with transmitters or performing PMIs.

Table 31 lists the tasks having the highest TD rating, with the percentages of first-job, first-enlistment, 3-, 5-, 7-skill level personnel performing, and TE ratings included for each task. The majority of tasks with high difficulty involve isolating malfunctions and evaluating various components. Most of the tasks with high difficulty were performed by a fairly low percentage of members. Various lists of tasks, accompanied by TD rating, are contained in the Training Extract package and should be reviewed in detail by technical school personnel. For a more detailed explanation of TD and TE ratings, see the Task Factor Administration in the **SURVEY METHODOLOGY** section of this report.

Specialty Training Standard (STS)

A comprehensive review of the STS was made by comparing survey data to STS elements. SMEs matched JI tasks to appropriate STS sections and subsections. A complete computer listing displaying the percent members performing tasks, TE and TD ratings for each task, along with the STS matching, has been forwarded to the school for further review of training documents.

Typically, tasks which have sufficiently high TE and TD ratings, and are performed by at least 20 percent of personnel in appropriate experience or skill-level groups (such as first-enlistment or 1-48 months TAFMS, and 5- and 7-skill level groups), should be considered for inclusion in the STS. Likewise, tasks with less than 20 percent performing in all of these groups should be considered for deletion from the STS. Three line items from the STS were not supported by 20 percent of personnel. Examples of these items are in Table 32, along with the accompanying JI task and survey data. Removing and replacing line replaceable units (LRU), and

using diagnostic programs to isolate malfunction to LRUs were the areas that were not supported by 20 percent of personnel. Training personnel and SMEs should review these areas to determine if inclusion in future revisions to the STS is warranted.

Tasks not matched to any element of the STS are listed at the end of the STS computer listing. These were reviewed to determine if there were any tasks concentrated around any particular functions or jobs. Most of the tasks that were not matched were from the Performing General Maintenance activities duty section.

Examples of technical tasks performed by at least 20 percent of STS target group respondents, but which are not referenced to any STS element, are displayed in Table 33. Training personnel and SMEs should review these and other unreferenced tasks to determine STS inclusion.

JOB SATISFACTION ANALYSIS

An examination of the job satisfaction indicators of various groups can give career ladder managers a better understanding of some of the factors which may affect the job performance of airmen in the career ladder. Questions covering job interest, perceived utilization of talents and training, sense of accomplishment from work, and reenlistment intentions were included in the survey booklet to provide indications of job satisfaction.

The Ground Radar survey booklet included questions covering job interest, perceived utilization of talents and training, sense of accomplishment from work, and reenlistment intentions. The responses of the current survey sample were then analyzed by making the following comparisons: (1) among TAFMS groups of the Ground Radar career ladder and a comparative sample of personnel from other Mission Equipment Management career ladders surveyed in 1997; (2) between current and previous survey experience groups; and (3) across specialty groups identified in the **SPECIALTY JOBS** section of the report.

Table 34 compares first-enlistment (1-48 months TAFMS), second-enlistment (49-96 months TAFMS), and career (97+ months TAFMS) group data to corresponding enlistment groups from other Mission Equipment Management AFSCs surveyed during the previous calendar year. These data give a relative measure of how the job satisfaction of AFSC 2E0X1 personnel compares with similar Air Force specialties. All three groups report comparable job satisfaction for all indicators except reenlistment intentions. The "NO OR PROBABLY NO" reenlistment intention indicators for all three groups were somewhat higher than other Mission Equipment Management AFSCs.

Table 35 compares job satisfaction indicator responses of the TAFMS groups in the current survey to TAFMS groups for the previous survey. Generally, the current responses are lower in every job satisfaction indicator when compared to the 1995 responses.

An examination of job satisfaction data can also reveal the influences performing certain jobs may have on overall job satisfaction. Table 36 presents job satisfaction data for the jobs identified in the career ladder structure for AFSC 2E0X1. Overall, job satisfaction was fairly high across specialty jobs, with a decrease in job satisfaction for both the Maintenance Control Job and the Maintenance Support Evaluator Job. Job satisfaction was highest for the Radar Evaluation Job.

When there are issues in an occupation that are not directly addressed in the JI, survey respondents frequently provide write-in comments. The majority of write-in comments dealt with explaining the type of job held, base to which assigned (particularly ANG bases), or expanded upon the specific type of equipment used. Very few comments addressed anything other than the above mentioned topics.

IMPLICATIONS

This survey was initiated to provide current job and task data for use in evaluating the AFMAN 36-2108 *Airman Classification* and training documents.

In terms of tasks performed and relative time spent on duties, the Ground Radar Systems career ladder structure has changed very little since the previous OSR published in 1995. DAFSC 2E031 members are performing a wide range of general maintenance tasks; therefore, a large number of these members are not grouped into a specific specialty job. As members advance to the 5-skill level they are still almost purely technical workers. Members advancing to the 7-skill level are still performing tasks very technical in nature, but they are becoming more managerial. As members advance to the 9-skill level they devote their time to management and training activities. Survey data show the AFMAN 36-2108 *Airman Classification* accurately reflects the jobs and tasks currently being performed in the career ladder.

Analysis of the AFSC 2E0X1 STS reflects support for most areas, although two line items were identified as unsupported: remove and replace an LRU and use diagnostic programs to isolate malfunction to LRU. The STS document should be thoroughly examined to determine if areas should be retained or deleted in the next Career Field Education and Training Plan (CFETP). The tasks with high percentages of members performing should be examined for inclusion into the CFETP documents.

Overall, job satisfaction was fairly high across TAFMS groups, and specialty jobs with a decrease in job satisfaction for both the Maintenance Control and Maintenance Support Evaluator jobs. Job satisfaction was highest for the Radar Evaluation Job.

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APPENDIX A

TABLES 1-40

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TABLE 1

MAJCOM REPRESENTATION OF ACTIVE DUTY AFSC 2E0X1 SAMPLE

| <u>MAJOR COMMAND</u> | <u>PERCENT OF ASSIGNED*</u> | <u>PERCENT OF SAMPLE</u> |
|--------------------------|---------------------------------|------------------------------|
| ACC | 57 | 57 |
| AETC | 13 | 14 |
| AFMC | 6 | 5 |
| AFSPC | 2 | 2 |
| AMC | 3 | 4 |
| PACAF | 8 | 8 |
| USAFE | 9 | 8 |
| OTHER** | 2 | 2 |

| | <u>AFSC 2E0X1 ACTIVE DUTY</u> | <u>AFSC 2E0X1 ANG</u> |
|-------------------------------|-----------------------------------|---------------------------|
| TOTAL ASSIGNED | 1,334 | 499 |
| TOTAL ELIGIBLE | 1,200 | 475 |
| TOTAL IN SAMPLE | 902 | 162 |
| PERCENT OF ASSIGNED IN SAMPLE | 68% | 32% |
| PERCENT OF ELIGIBLE IN SAMPLE | 75% | 34% |

* Assigned strength as of September 1997

** Other includes: AFFSA, AFOTE, AIA, AWS, CMA, ELM, and EUR

TABLE 2

PAYGRADE DISTRIBUTION OF SURVEY SAMPLE FOR AFSC 2E0X1

| <u>PAYGRADE</u> | <u>PERCENT OF ACTIVE DUTY</u> | | <u>PERCENT OF ANG</u> | |
|-----------------|-----------------------------------|---------------|---------------------------|---------------|
| | <u>ASSIGNED</u> | <u>SAMPLE</u> | <u>ASSIGNED</u> | <u>SAMPLE</u> |
| E-1 to E-3 | 10 | 11 | 4 | 2 |
| E-4 | 31 | 30 | 17 | 14 |
| E-5 | 30 | 31 | 30 | 27 |
| E-6 | 15 | 16 | 23 | 24 |
| E-7 | 12 | 10 | 19 | 25 |
| E-8 | 2 | 2 | 7 | 7 |
| E-9 | - | - | - | - |

* Assigned strength as of September 1997

NOTE: Columns may not add to 100 percent due to rounding

TABLE 3

RELATIVE PERCENT TIME SPENT PERFORMING DUTIES BY SPECIALTY JOBS FOR AFSC 2E0X1

| DUTIES | RADAR SYSTEMS MAINTENANCE (STG096) (N=507) | MAINTENANCE CONTROL (STG131) (N=40) | MAINTENANCE SUPPORT EVALUATOR (STG128) (N=32) | ENGINEERING AND INSTALLATION (STG039) (N=27) | RADAR EVALUATION (STG271) (N=18) |
|--|--|--|---|--|---|
| A PERFORMING GENERAL MAINTENANCE ACTIVITIES | 15 | 1 | 4 | 17 | 10 |
| B MAINTAINING POWER AND DISTRIBUTION EQUIPMENT | 3 | * | * | 1 | 1 |
| C MAINTAINING TIMING SYSTEMS | 2 | * | * | * | 1 |
| D MAINTAINING RADAR TRANSMITTER SYSTEMS | 12 | * | * | 1 | 4 |
| E MAINTAINING ANTENNA AND WAVEGUIDE SYSTEMS | 10 | * | * | 3 | 6 |
| F MAINTAINING RECEIVER OR PROCESSOR SYSTEMS | 11 | - | * | * | 3 |
| G MAINTAINING REMOTING EQUIPMENT | 3 | * | * | 2 | * |
| H MAINTAINING DISPLAY, BRIGHT RADAR INDICATING TOWER (BRITE), AND DIGITAL BRUTE (DBRITE) EQUIPMENT | 4 | - | * | 3 | * |
| I MAINTAINING ANCILLARY EQUIPMENT | 3 | * | * | 3 | * |
| J MAINTAINING IDENTIFICATION FRIEND OR FOE (IFF) AND SELECTIVE IDENTIFICATION FEATURE (SIF) EQUIPMENT | 6 | - | * | 1 | 5 |
| K MAINTAINING RANGE AND ANGLE TRACKING SYSTEMS | * | - | - | * | - |
| L MAINTAINING COMPUTER SYSTEMS | 2 | 1 | * | 2 | 3 |
| M PERFORMING OPERATIONS ACTIVITIES | 1 | 1 | * | * | * |
| N PERFORMING RADAR EVALUATION ACTIVITIES | * | * | 2 | - | 52 |
| O PERFORMING RADAR SYSTEM ENGINEERING, INSTALLATION, AND REMOVAL ACTIVITIES | 2 | * | * | 40 | - |
| P PERFORMING QUALITY ASSURANCE EVALUATOR OR MAINTENANCE SUPPORT ACTIVITIES | 1 | 1 | 13 | 1 | * |
| Q PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 9 | 50 | 13 | 5 | 1 |
| R PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 5 | 6 | 6 | 6 | - |
| S PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 6 | 19 | 36 | 7 | 6 |
| T PERFORMING TRAINING ACTIVITIES | 3 | 8 | 10 | 4 | 4 |
| U PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 2 | 12 | 15 | 4 | 3 |

* Denotes less than 1 percent

TABLE 3 (CONTINUED)

RELATIVE PERCENT TIME SPENT PERFORMING DUTIES BY SPECIALTY JOBS FOR AFSC 2E0X1

| DUTIES | CONTRACT EVALUATOR/ QAE (STG141) (N=16) | TECHNICAL ORDER PERSONNEL (STG104) (N=9) | TRAINING (STG068) (N=30) | SUPERVISORY AND MANAGEMENT (STG79) (N=122) |
|--|---|--|--------------------------------|--|
| A PERFORMING GENERAL MAINTENANCE ACTIVITIES | 4 | 1 | 6 | 3 |
| B MAINTAINING POWER AND DISTRIBUTION EQUIPMENT | 1 | - | * | * |
| C MAINTAINING TIMING SYSTEMS | * | - | * | * |
| D MAINTAINING RADAR TRANSMITTER SYSTEMS | 1 | - | 2 | 1 |
| E MAINTAINING ANTENNA AND WAVEGUIDE SYSTEMS | 1 | - | * | 1 |
| F MAINTAINING RECEIVER OR PROCESSOR SYSTEMS | * | * | 1 | 1 |
| G MAINTAINING REMOTING EQUIPMENT | * | - | 1 | * |
| H MAINTAINING DISPLAY, BRIGHT RADAR INDICATING TOWER (BRITE), AND DIGITAL BRITE (DBRITE) EQUIPMENT | * | - | * | * |
| I MAINTAINING ANCILLARY EQUIPMENT | * | - | - | * |
| J MAINTAINING IDENTIFICATION FRIEND OR FOE (IFF) AND SELECTIVE IDENTIFICATION FEATURE (SIF) EQUIPMENT | * | * | 2 | * |
| K MAINTAINING RANGE AND ANGLE TRACKING SYSTEMS | * | - | - | * |
| L MAINTAINING COMPUTER SYSTEMS | 1 | - | 2 | 1 |
| M PERFORMING OPERATIONS ACTIVITIES | 1 | - | * | 1 |
| N PERFORMING RADAR EVALUATION ACTIVITIES | 4 | - | - | * |
| O PERFORMING RADAR SYSTEM ENGINEERING, INSTALLATION, AND REMOVAL ACTIVITIES | 1 | * | * | * |
| P PERFORMING QUALITY ASSURANCE EVALUATOR OR MAINTENANCE SUPPORT ACTIVITIES | 29 | 16 | 1 | 1 |
| Q PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 7 | 9 | 4 | 12 |
| R PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | * | 3 | 1 | 5 |
| S PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 40 | 17 | 18 | 57 |
| T PERFORMING TRAINING ACTIVITIES | 3 | 12 | 53 | 9 |
| U PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 7 | 41 | 8 | 7 |

* Denotes less than 1 percent

TABLE 4

SELECTED BACKGROUND DATA FOR SPECIALTY JOBS FOR AFSC 2E0X1

| | RADAR SYSTEMS MAINTENANCE (STG096) | MAINTENANCE CONTROL (STG131) | MAINTENANCE SUPPORT EVALUATOR (STG128) | ENGINEERING AND INSTALLATION (STG039) | RADAR EVALUATION (STG271) |
|-----------------------------------|---|------------------------------------|---|--|---------------------------------|
| NUMBER IN GROUP | 507 | 40 | 32 | 27 | 18 |
| PERCENT OF SAMPLE | 48% | 4% | 3% | 2% | 2% |
| PERCENT IN CONUS | 81% | 90% | 88% | 93% | 100% |
| DAFSC DISTRIBUTION: | | | | | |
| 2E031 | 17% | 3% | 0% | 0% | 78% |
| 2E051 | 61% | 63% | 34% | 78% | 22% |
| 2E071 | 20% | 33% | 63% | 19% | 0% |
| 2E091 | 1% | 3% | 3% | 4% | 0% |
| COMPONENT STATUS | | | | | |
| ACTIVE DUTY | 86% | 70% | 88% | 37% | 100% |
| AIR NATIONAL GUARD | 14% | 30% | 12% | 63% | 0% |
| PAYGRADE DISTRIBUTION | | | | | |
| E-1 to E-3 | 9% | 0% | 0% | 0% | 0% |
| E-4 | 36% | 30% | 3% | 33% | 11% |
| E-5 | 36% | 33% | 41% | 37% | 67% |
| E-6 | 13% | 15% | 41% | 19% | 17% |
| E-7 | 6% | 23% | 16% | 7% | 6% |
| E-8 | 1% | 0% | 0% | 4% | 0% |
| E-9 | 0% | 0% | 0% | 0% | 0% |
| PERCENT SUPERVISING | 46% | 42% | 59% | 37% | 28% |
| AVERAGE NUMBER OF TASKS PERFORMED | 257 | 53 | 66 | 86 | 52 |

* Denotes less than 1 percent

TABLE 4 (CONTINUED)
SELECTED BACKGROUND DATA FOR SPECIALTY JOBS FOR AFSC 2E0X1

| | CONTRACT EVALUATOR/QAE (STG141) | TECHNICAL ORDER PERSONNEL (STG104) | TRAINING (STG068) | SUPERVISORY AND MANAGEMENT (STG079) |
|-----------------------------------|---------------------------------------|---|----------------------|---|
| NUMBER IN GROUP | 16 | 9 | 30 | 122 |
| PERCENT OF SAMPLE | 1% | 1% | 3% | 11% |
| PERCENT IN CONUS | 56% | 67% | 93% | 80% |
| DAFSC DISTRIBUTION: | | | | |
| 2E031 | 0% | 0% | 0% | 0% |
| 2E051 | 13% | 67% | 57% | 19% |
| 2E071 | 81% | 33% | 43% | 69% |
| 2E091 | 6% | 0% | 0% | 12% |
| COMPONENT STATUS | | | | |
| ACTIVE DUTY | 100% | 78% | 93% | 96% |
| AIR NATIONAL GUARD | 0% | 22% | 7% | 4% |
| PAYGRADE DISTRIBUTION | | | | |
| E-1 to E-3 | 0% | 0% | 0% | 0% |
| E-4 | 0% | 0% | 10% | 1% |
| E-5 | 0% | 78% | 43% | 14% |
| E-6 | 19% | 11% | 37% | 32% |
| E-7 | 69% | 11% | 10% | 40% |
| E-8 | 13% | 0% | 0% | 12% |
| E-9 | 0% | 0% | 0% | 1% |
| PERCENT SUPERVISING | 44% | 0% | 23% | 93% |
| AVERAGE NUMBER OF TASKS PERFORMED | 71 | 21 | 38 | 84 |

* Denotes less than 1 percent

TABLE 5

SPECIALTY JOB COMPARISON BETWEEN CURRENT AND 1995 SURVEY

CURRENT SURVEY (N=1,064)1995 SURVEY (N= 1,791)

-Radar Systems Maintenance Cluster

- AC&W Radar Technician
- ATC Radar Technician
- Mobile ATC Radar Technician
- ATR Technician

- AC&W Radar Maintenance Cluster
- ATC Radar Maintenance Cluster
- Not Identified
- ATR Maintenance and Operations Cluster

-Maintenance Control Job

Maintenance Control/Production Operations Job

-Maintenance Support Evaluator Job

Not Identified

-Engineering and Installation Job

Not Identified

-Radar Evaluation Job

Radar Analysis and Evaluator Job

-Contract Evaluator/Quality Assurance Job

Contract Evaluation and Quality Assurance Job

-Technical Order Personnel Job

Not Identified

-Training Cluster

Training Cluster

- Training Manager
- Instructor
- Training NCO
- CDC Writer

- Training Manager
- Instructor Job
- CDC Writer

-Supervisory and Management Cluster

Supervisory, Managerial, and Administrative Cluster

- Chiefs
- Superintendents
- NCOICs

TABLE 6

DISTRIBUTION OF AFSC 2E0X1 MEMBERS ACROSS SPECIALTY JOBS
(PERCENT MEMBERS RESPONDING)

| SPECIALTY JOBS | ACTIVE 2E031 (N=155) | TOTAL 2E051 (N=565) | ACTIVE 2E051 (N=488) | ANG 2E051 (N=77) | TOTAL 2E071 (N=310) | ACTIVE 2E071 (N=243) | ANG 2E071 (N=67) | TOTAL 2E091 (N=32) | ACTIVE 2E091 (N=15) | ANG 2E091 (N=17) |
|---------------------------------------|----------------------------|---------------------------|----------------------------|------------------------|---------------------------|----------------------------|------------------------|--------------------------|---------------------------|------------------------|
| I. RADAR SYSTEMS MAINTENANCE | 56 | 55 | 57 | 44 | 33 | 29 | 48 | 22 | - | 41 |
| II. MAINTENANCE CONTROL | 1 | 4 | 5 | 1 | 4 | 1 | 15 | 3 | - | 6 |
| III. MAINTENANCE SUPPORT EVALUATOR | - | 2 | 2 | - | 7 | 7 | 5 | 3 | - | 6 |
| IV. ENGINEERING AND INSTALLATION | - | 4 | 2 | 16 | 2 | * | 6 | 3 | - | 6 |
| V. RADAR EVALUATION | - | 3 | 3 | - | 1 | 2 | - | - | - | - |
| VI. CONTRACT EVALUATOR/QAE | - | * | * | - | 4 | 5 | - | 3 | 7 | - |
| VII. TECHNICAL ORDER PERSONNEL | - | 1 | 1 | - | 1 | * | 3 | - | - | - |
| VIII. TRAINING | - | 3 | 3 | 1 | 4 | 5 | 2 | - | - | - |
| IX. SUPERVISORY AND MANAGEMENT | - | 4 | 5 | - | 27 | 34 | 2 | 47 | 73 | 24 |
| X. NOT GROUPED | 43 | 24 | 22 | 38 | 17 | 17 | 19 | 19 | 20 | 17 |

* Denotes less than .5 percent

- Denotes no members

TABLE 7

AVERAGE PERCENT TIME SPENT PERFORMING DUTIES BY TOTAL DAFSC 2E0X1 GROUPS
(RELATIVE PERCENT OF JOB TIME)

| DUTIES | TOTAL 2E031 (N=156) | TOTAL 2E051 (N=565) | TOTAL 2E071 (N=310) | TOTAL 2E091 (N=32) |
|--|---------------------------|---------------------------|---------------------------|--------------------------|
| A PERFORMING GENERAL MAINTENANCE ACTIVITIES | 22 | 14 | 8 | 5 |
| B MAINTAINING POWER AND DISTRIBUTION EQUIPMENT | 4 | 2 | 1 | 1 |
| C MAINTAINING TIMING SYSTEMS | 2 | 1 | 1 | * |
| D MAINTAINING RADAR TRANSMITTER SYSTEMS | 13 | 8 | 5 | 2 |
| E MAINTAINING ANTENNA AND WAVEGUIDE SYSTEMS | 9 | 7 | 4 | 2 |
| F MAINTAINING RECEIVER OR PROCESSOR SYSTEMS | 9 | 7 | 4 | 2 |
| G MAINTAINING REMOTING EQUIPMENT | 3 | 2 | 1 | * |
| H MAINTAINING DISPLAY, BRIGHT RADAR INDICATING TOWER (BRUTE), AND DIGITAL BRUTE (DBRITE) EQUIPMENT | 4 | 3 | 2 | * |
| I MAINTAINING ANCILLARY EQUIPMENT | 3 | 2 | 1 | * |
| J MAINTAINING IDENTIFICATION FRIEND OR FOE (IFF) AND SELECTIVE IDENTIFICATION FEATURE (SIF) EQUIPMENT | 4 | 4 | 3 | 2 |
| K MAINTAINING RANGE AND ANGLE TRACKING SYSTEMS | 1 | * | * | - |
| L MAINTAINING COMPUTER SYSTEMS | 2 | 2 | 1 | * |
| M PERFORMING OPERATIONS ACTIVITIES | 5 | 3 | 1 | * |
| N PERFORMING RADAR EVALUATION ACTIVITIES | * | 2 | 2 | 1 |
| O PERFORMING RADAR SYSTEM ENGINEERING, INSTALLATION, AND REMOVAL ACTIVITIES | 2 | 4 | 1 | 2 |
| P PERFORMING QUALITY ASSURANCE EVALUATOR OR MAINTENANCE SUPPORT ACTIVITIES | 1 | 2 | 4 | 4 |
| Q PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 9 | 11 | 11 | 10 |
| R PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 4 | 5 | 6 | 13 |
| S PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 2 | 9 | 30 | 46 |
| T PERFORMING TRAINING ACTIVITIES | 1 | 6 | 9 | 5 |
| U PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 2 | 6 | 7 | 5 |

* Denotes less than 1 percent

NOTE: Columns may not add up to 100 percent due to rounding

TABLE 8

AVERAGE PERCENT TIME SPENT PERFORMING DUTIES BY ACTIVE DUTY DAFSC 2E0X1 GROUPS
(RELATIVE PERCENT OF JOB TIME)

| DUTIES | ACTIVE 2E031 (N=155) | ACTIVE 2E051 (N=488) | ACTIVE 2E071 (N=243) | ACTIVE 2E091 (N=15) |
|--|----------------------------|----------------------------|----------------------------|---------------------------|
| A PERFORMING GENERAL MAINTENANCE ACTIVITIES | 22 | 13 | 6 | 1 |
| B MAINTAINING POWER AND DISTRIBUTION EQUIPMENT | 4 | 2 | 1 | - |
| C MAINTAINING TIMING SYSTEMS | 2 | 1 | 1 | - |
| D MAINTAINING RADAR TRANSMITTER SYSTEMS | 13 | 8 | 4 | - |
| E MAINTAINING ANTENNA AND WAVEGUIDE SYSTEMS | 9 | 7 | 3 | * |
| F MAINTAINING RECEIVER OR PROCESSOR SYSTEMS | 9 | 6 | 3 | * |
| G MAINTAINING REMOTING EQUIPMENT | 3 | 2 | 1 | - |
| H MAINTAINING DISPLAY, BRIGHT RADAR INDICATING TOWER (BRITE), AND DIGITAL BRITE (DBRITE) EQUIPMENT | 4 | 3 | 1 | * |
| I MAINTAINING ANCILLARY EQUIPMENT | 3 | 2 | 1 | * |
| J MAINTAINING IDENTIFICATION FRIEND OR FOE (IFF) AND SELECTIVE IDENTIFICATION FEATURE (SIF) EQUIPMENT | 4 | 4 | 2 | - |
| K MAINTAINING RANGE AND ANGLE TRACKING SYSTEMS | 1 | * | * | - |
| L MAINTAINING COMPUTER SYSTEMS | 2 | 2 | 1 | * |
| M PERFORMING OPERATIONS ACTIVITIES | 5 | 3 | 1 | * |
| N PERFORMING RADAR EVALUATION ACTIVITIES | * | 2 | 2 | 1 |
| O PERFORMING RADAR SYSTEM ENGINEERING, INSTALLATION, AND REMOVAL ACTIVITIES | 2 | 3 | 1 | - |
| P PERFORMING QUALITY ASSURANCE EVALUATOR OR MAINTENANCE SUPPORT ACTIVITIES | 1 | 2 | 4 | 8 |
| Q PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 8 | 12 | 10 | 5 |
| R PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 4 | 4 | 5 | 8 |
| S PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 1 | 10 | 35 | 69 |
| T PERFORMING TRAINING ACTIVITIES | 1 | 6 | 10 | 2 |
| U PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 2 | 6 | 7 | 4 |

* Denotes less than 1 percent

NOTE: Columns may not add up to 100 percent due to rounding

TABLE 9

AVERAGE PERCENT TIME SPENT PERFORMING DUTIES BY GUARD DAFSC 2E0X1 GROUPS
(RELATIVE PERCENT OF JOB TIME)

| DUTIES | GUARD 2E051 (N=77) | GUARD 2E071 (N=67) | GUARD 2E091 (N=17) |
|--|--------------------------|--------------------------|--------------------------|
| A PERFORMING GENERAL MAINTENANCE ACTIVITIES | 20 | 14 | 8 |
| B MAINTAINING POWER AND DISTRIBUTION EQUIPMENT | 2 | 2 | 2 |
| C MAINTAINING TIMING SYSTEMS | 1 | 1 | * |
| D MAINTAINING RADAR TRANSMITTER SYSTEMS | 10 | 7 | 4 |
| E MAINTAINING ANTENNA AND WAVEGUIDE SYSTEMS | 7 | 6 | 3 |
| F MAINTAINING RECEIVER OR PROCESSOR SYSTEMS | 8 | 6 | 3 |
| G MAINTAINING REMOTING EQUIPMENT | 1 | 1 | 1 |
| H MAINTAINING DISPLAY, BRIGHT RADAR INDICATING TOWER (BRITE), AND DIGITAL BRUTE (DBRITE) EQUIPMENT | 2 | 2 | 1 |
| I MAINTAINING ANCILLARY EQUIPMENT | 2 | 2 | * |
| J MAINTAINING IDENTIFICATION FRIEND OR FOE (IFF) AND SELECTIVE IDENTIFICATION FEATURE (SIF) EQUIPMENT | 5 | 5 | 4 |
| K MAINTAINING RANGE AND ANGLE TRACKING SYSTEMS | * | * | - |
| L MAINTAINING COMPUTER SYSTEMS | 1 | 1 | * |
| M PERFORMING OPERATIONS ACTIVITIES | * | 1 | * |
| N PERFORMING RADAR EVALUATION ACTIVITIES | * | 1 | * |
| O PERFORMING RADAR SYSTEM ENGINEERING, INSTALLATION, AND REMOVAL ACTIVITIES | 10 | 3 | 3 |
| P PERFORMING QUALITY ASSURANCE EVALUATOR OR MAINTENANCE SUPPORT ACTIVITIES | * | 1 | 1 |
| Q PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 6 | 15 | 13 |
| R PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 12 | 11 | 18 |
| S PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 3 | 9 | 25 |
| T PERFORMING TRAINING ACTIVITIES | 2 | 5 | 7 |
| U PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 6 | 7 | 5 |

* Denotes less than 1 percent

NOTE: Columns may not add up to 100 percent due to rounding

TABLE 10

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2E031 PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=155) |
|-------|--|---|
| A32 | Perform general soldering | 92 |
| D124 | Perform PMIs on transmitter systems | 88 |
| A31 | Perform equipment maintenance using test equipment | 86 |
| A8 | Clean or replace filters | 83 |
| A29 | Perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans | 75 |
| D98 | Adjust or align transmitter high-voltage power supplies | 75 |
| E211 | Perform PMIs on antenna systems | 74 |
| A46 | Read and interpret equipment technical manuals | 73 |
| A39 | Perform visual inspections of communications-electronics systems | 72 |
| A25 | Lubricate mechanical bearing surfaces, such as antenna rotary joints or bull gears | 70 |
| A51 | Remove or replace general electronics hardware, such as sockets, meters, fuse holders, or clamps | 69 |
| A28 | Perform corrosion control on electrical assemblies, such as electronic component boards | 68 |
| A16 | Fabricate cables, such as coaxial, power, or triaxial | 67 |
| A37 | Perform preventive maintenance inspections (PMIs) on built-in test equipment (BITE) | 63 |
| F360 | Perform PMIs on receiver or processor systems | 63 |
| D99 | Adjust or align transmitter high-voltage protective or fault circuits | 62 |
| A42 | Performance check system grounds | 59 |
| A6 | Change oil supplies, such as dielectric oil | 59 |
| A12 | Determine locations of shorts or opens in cable runs | 58 |
| Q878 | Research Federal Logistics (FEDLOG) systems | 57 |
| B71 | Perform PMIs on power and distribution systems | 57 |
| D137 | Remove or replace transmitter high-voltage power supplies | 57 |
| D129 | Remove or replace dummy loads | 55 |
| A43 | Prepare equipment for test measurement and diagnostic equipment (TMDE) processing | 54 |
| B68 | Isolate power supply malfunctions | 54 |
| Q848 | Input core automated maintenance system (CAMS) data on computer terminals | 54 |
| Q850 | Inventory equipment, tools, parts, or supplies | 54 |
| A41 | Performance check interlock protective circuits | 53 |
| D103 | Adjust or align transmitter performance monitor circuits, such as power monitors or voltage standing wave ratio monitors | 53 |
| D108 | Isolate air circulating system malfunctions, such as fans or blowers | 52 |
| A7 | Check or replace desiccants | 52 |
| A1 | Adjust or align analog-to-digital (A-D) or digital-to-analog (D-A) converters | 52 |
| B60 | Adjust or align power supplies, other than transmitter high-voltage power supplies or power supply and junction (PS&J) boxes | 51 |
| C90 | Perform PMIs on timing systems | 51 |
| B78 | Remove or replace power supplies, other than transmitter high-voltage power supplies | 51 |

Average number of tasks performed - 141

TABLE 11

REPRESENTATIVE TASKS PERFORMED BY TOTAL 2E051 PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=565) |
|-------|---|---|
| A32 | Perform general soldering | 75 |
| A46 | Read and interpret equipment technical manuals | 69 |
| A31 | Perform equipment maintenance using test equipment | 69 |
| A8 | Clean or replace filters | 68 |
| D124 | Perform PMIs on transmitter systems | 65 |
| A16 | Fabricate cables, such as coaxial, power, or triaxial | 65 |
| A29 | Perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans | 65 |
| A39 | Perform visual inspections of communications-electronics systems | 63 |
| E211 | Perform PMIs on antenna systems | 61 |
| D98 | Adjust or align transmitter high-voltage power supplies | 61 |
| A25 | Lubricate mechanical bearing surfaces, such as antenna rotary joints or bull gears | 60 |
| A51 | Remove or replace general electronics hardware, such as sockets, meters, fuse holders, or clamps | 59 |
| Q878 | Research Federal Logistics (FEDLOG) systems | 59 |
| Q848 | Input core automated maintenance system (CAMS) data on computer terminals | 58 |
| A28 | Perform corrosion control on electrical assemblies, such as electronic component boards | 57 |
| A12 | Determine locations of shorts or opens in cable runs | 57 |
| Q850 | Inventory equipment, tools, parts, or supplies | 56 |
| A43 | Prepare equipment for test measurement and diagnostic equipment (TMDE) processing | 56 |
| A42 | Performance check system grounds | 55 |
| D99 | Adjust or align transmitter high-voltage protective or fault circuits | 55 |
| A41 | Performance check interlock protective circuits | 53 |
| F360 | Perform PMIs on receiver or processor systems | 52 |
| T1034 | Conduct OJT | 52 |
| A45 | Provide technical assistance | 50 |
| E168 | Adjust or align gas or air waveguide pressurizing/dehydrating systems | 50 |
| D137 | Remove or replace transmitter high-voltage power supplies | 50 |
| A37 | Perform preventive maintenance inspections (PMIs) on built-in test equipment (BITE) | 50 |
| D114 | Isolate transmitter high-voltage protective or fault circuit malfunctions | 50 |
| D101 | Adjust or align transmitter modulators | 49 |
| Q831 | Certify status of reparable, serviceable, or condemned parts or equipment | 49 |
| A1 | Adjust or align analog-to-digital (A-D) or digital-to-analog (D-A) converters | 49 |
| A23 | Isolate interlock protective circuit malfunctions | 49 |
| Q883 | Store equipment, tools, parts, or supplies | 49 |
| A7 | Check or replace desiccants | 49 |
| A33 | Perform high-reliability soldering | 48 |

Average number of tasks performed - 166

TABLE 12

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2E051 PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=488) |
|-------|--|---|
| A32 | Perform general soldering | 74 |
| A8 | Clean or replace filters | 70 |
| A31 | Perform equipment maintenance using test equipment | 70 |
| A46 | Read and interpret equipment technical manuals | 69 |
| D124 | Perform PMIs on transmitter systems | 66 |
| A16 | Fabricate cables, such as coaxial, power, or triaxial | 66 |
| A29 | Perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans | 65 |
| A39 | Perform visual inspections of communications-electronics systems | 64 |
| D98 | Adjust or align transmitter high-voltage power supplies | 62 |
| Q878 | Research Federal Logistics (FEDLOG) systems | 62 |
| Q848 | Input core automated maintenance system (CAMS) data on computer terminals | 61 |
| A51 | Remove or replace general electronics hardware, such as sockets, meters, fuse holders, or clamps | 61 |
| E211 | Perform PMIs on antenna systems | 60 |
| A25 | Lubricate mechanical bearing surfaces, such as antenna rotary joints or bull gears | 60 |
| A43 | Prepare equipment for test measurement and diagnostic equipment (TMDE) processing | 59 |
| Q850 | Inventory equipment, tools, parts, or supplies | 57 |
| D99 | Adjust or align transmitter high-voltage protective or fault circuits | 57 |
| A28 | Perform corrosion control on electrical assemblies, such as electronic component boards | 56 |
| T1034 | Conduct OJT | 56 |
| A42 | Performance check system grounds | 55 |
| A12 | Determine locations of shorts or opens in cable runs | 55 |
| A41 | Performance check interlock protective circuits | 53 |
| D137 | Remove or replace transmitter high-voltage power | 52 |
| Q880 | Review CAMS output data | 52 |
| A45 | Provide technical assistance | 51 |
| F360 | Perform PMIs on receiver or processor systems | 51 |
| E168 | Adjust or align gas or air waveguide pressurizing/dehydrating systems | 51 |
| D101 | Adjust or align transmitter modulators | 51 |
| D114 | Isolate transmitter high-voltage protective or fault circuit malfunctions | 51 |
| Q831 | Certify status of reparable, serviceable, or condemned parts or equipment | 51 |
| Q882 | Review status of awaiting parts (AWP) equipment | 50 |
| A33 | Perform high-reliability soldering | 50 |
| A1 | Adjust or align analog-to-digital (A-D) or digital-to-analog (D-A) converters | 50 |
| A23 | Isolate interlock protective circuit malfunctions | 50 |
| A37 | Perform preventive maintenance inspections (PMIs) on built-in test equipment (BITE) | 50 |
| T1049 | Maintain training records or files | 50 |

Average number of tasks performed - 171

TABLE 13

TASKS WHICH BEST DIFFERENTIATE BETWEEN TOTAL
DAFSC 2E031 AND DAFSC 2E051 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | TOTAL 2E031 (N=156) | TOTAL 2E051 (N=565) | DIFF |
|--|---------------------------|---------------------------|------|
| D124 Perform PMIs on transmitter systems | 88 | 65 | 23 |
| T1034 Conduct OJT | 15 | 52 | -37 |
| S956 Conduct supervisory performance feedback sessions | 1 | 33 | -32 |
| S1022 Supervise military personnel | 3 | 35 | -32 |
| S1006 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 8 | 38 | -30 |
| S960 Counsel subordinates concerning personal matters | 1 | 30 | -29 |
| S1025 Write performance reports or supervisory appraisals | 2 | 31 | -29 |
| T1049 Maintain training records or files | 17 | 46 | -29 |
| S964 Determine or establish work assignments or priorities | 4 | 32 | -28 |
| Q832 Coordinate supply-related matters with appropriate agencies | 15 | 43 | -28 |
| T1047 Evaluate progress of trainees | 5 | 33 | -28 |
| S1027 Write recommendations for awards or decorations | 1 | 29 | -28 |
| S957 Conduct safety inspections of equipment or facilities | 6 | 33 | -27 |
| S954 Conduct self-inspections or self-assessments | 6 | 31 | -25 |
| S958 Conduct supervisory orientations for newly assigned personnel | 2 | 27 | -25 |
| S1002 Inspect personnel for compliance with military standards | 4 | 29 | -25 |
| T1055 Schedule personnel for training | 3 | 27 | -24 |
| Q872 Prepare materiel deficiency reports (MDRs) | 3 | 27 | -24 |
| Q833 Coordinate maintenance of equipment with appropriate agencies | 16 | 39 | -23 |
| T1054 Schedule training | 6 | 29 | -23 |
| S979 Establish performance standards for subordinates | 2 | 25 | -23 |
| T1043 Evaluate personnel to determine training needs | 6 | 28 | -22 |
| Q876 Process or maintain repair cycle assets | 4 | 26 | -22 |

TABLE 14

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY
DAFSC 2E031 AND DAFSC 2E051 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | ACTIVE 2E031 (N= 155) | ACTIVE 2E051 (N=488) | DIFF |
|--|-----------------------------|----------------------------|------|
| T1034 Conduct OJT | 15 | 56 | -41 |
| S956 Conduct supervisory performance feedback sessions | 1 | 38 | -37 |
| S1022 Supervise military personnel | 3 | 38 | -35 |
| S1025 Write performance reports or supervisory appraisals | 2 | 36 | -34 |
| S960 Counsel subordinates concerning personal matters | 1 | 34 | -33 |
| S1006 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 8 | 41 | -33 |
| T1049 Maintain training records or files | 17 | 50 | -33 |
| T1047 Evaluate progress of trainees | 5 | 36 | -31 |
| S1027 Write recommendations for awards or decorations | 1 | 31 | -30 |
| Q832 Coordinate supply-related matters with appropriate agencies | 15 | 45 | -30 |
| S964 Determine or establish work assignments or priorities | 4 | 34 | -30 |
| S957 Conduct safety inspections of equipment or facilities | 6 | 35 | -29 |
| S958 Conduct supervisory orientations for newly assigned personnel | 2 | 31 | -29 |
| S954 Conduct self-inspections or self-assessments | 6 | 33 | -27 |
| S1002 Inspect personnel for compliance with military standards | 4 | 31 | -27 |
| T1055 Schedule personnel for training | 3 | 29 | -26 |
| Q872 Prepare materiel deficiency reports (MDRs) | 3 | 29 | -26 |
| S979 Establish performance standards for subordinates | 2 | 28 | -26 |
| T1043 Evaluate personnel to determine training needs | 6 | 31 | -25 |
| T1054 Schedule training | 6 | 31 | -25 |
| Q833 Coordinate maintenance of equipment with appropriate agencies | 16 | 41 | -25 |
| T1036 Determine training requirements | 4 | 29 | -25 |
| Q876 Process or maintain repair cycle assets | 6 | 30 | -24 |
| S1003 Interpret policies, directives, or procedures for subordinates | 2 | 26 | -24 |
| U1075 Maintain historical records | 9 | 32 | -23 |

TABLE 15

REPRESENTATIVE TASKS PERFORMED BY GUARD 2E051 PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=77) |
|-------|--|--|
| A32 | Perform general soldering | 79 |
| A12 | Determine locations of shorts or opens in cable runs | 69 |
| A46 | Read and interpret equipment technical manuals | 68 |
| A29 | Perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans | 66 |
| A31 | Perform equipment maintenance using test equipment | 66 |
| D124 | Perform PMIs on transmitter systems | 65 |
| A16 | Fabricate cables, such as coaxial, power, or triaxial | 64 |
| R907 | Don or doff chemical warfare personal protective ensembles | 62 |
| E211 | Perform PMIs on antenna systems | 62 |
| A25 | Lubricate mechanical bearing surfaces, such as antenna rotary joints or bull gears | 62 |
| A28 | Perform corrosion control on electrical assemblies, such as electronic component boards | 61 |
| F360 | Perform PMIs on receiver or processor systems | 58 |
| A8 | Clean or replace filters | 58 |
| A39 | Perform visual inspections of communications-electronics systems | 57 |
| A57 | Set up or tear down portable or transportable shelters | 56 |
| R925 | Participate in convoys | 56 |
| A7 | Check or replace desiccants | 56 |
| A42 | Performance check system grounds | 56 |
| R939 | Prepare mobile radar equipment for mission deployments | 53 |
| J573 | Perform PMIs on IFF/SIF equipment | 53 |
| R910 | Erect tents | 53 |
| A19 | Fabricate test cables or plugs | 52 |
| A17 | Fabricate minor hardware, such as clamps, brackets, or braces | 52 |
| A41 | Performance check interlock protective circuits | 52 |
| R915 | Inspect mobility bags or kits | 51 |
| Q850 | Inventory equipment, tools, parts, or supplies | 51 |
| R924 | Pack or palletize mobility or contingency equipment for shipment or movement | 51 |
| A51 | Remove or replace general electronics hardware, such as sockets, meters, fuse holders, or clamps | 51 |
| E210 | Level antenna pedestals | 49 |
| D98 | Adjust or align transmitter high-voltage power supplies | 49 |
| A37 | Perform preventive maintenance inspections (PMIs) on built-in test equipment (BITE) | 48 |
| R933 | Perform operator maintenance on weapons, such as 9mm pistols, M-16s, or M-79 grenade launchers | 48 |
| A6 | Change oil supplies, such as dielectric oil | 48 |
| R946 | Set up mobile radar equipment at mission deployment sites | 47 |

* Average Number of Tasks Performed - 134

TABLE 16

REPRESENTATIVE TASKS PERFORMED BY TOTAL 2E071 PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=310) |
|-------|--|---|
| S1006 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 64 |
| S1022 | Supervise military personnel | 60 |
| S960 | Counsel subordinates concerning personal matters | 58 |
| S964 | Determine or establish work assignments or priorities | 56 |
| S956 | Conduct supervisory performance feedback sessions | 55 |
| S1027 | Write recommendations for awards or decorations | 55 |
| S1025 | Write performance reports or supervisory appraisals | 55 |
| A46 | Read and interpret equipment technical manuals | 53 |
| S954 | Conduct self-inspections or self-assessments | 52 |
| T1049 | Maintain training records or files | 52 |
| S953 | Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 52 |
| S958 | Conduct supervisory orientations for newly assigned personnel | 52 |
| A45 | Provide technical assistance | 51 |
| S1002 | Inspect personnel for compliance with military standards | 51 |
| Q878 | Research Federal Logistics (FEDLOG) systems | 49 |
| T1034 | Conduct OJT | 49 |
| S970 | Develop or establish work schedules | 48 |
| Q880 | Review CAMS output data | 47 |
| S957 | Conduct safety inspections of equipment or facilities | 47 |
| A39 | Perform visual inspections of communications-electronics systems | 47 |
| S979 | Establish performance standards for subordinates | 47 |
| Q832 | Coordinate supply-related matters with appropriate agencies | 47 |
| S950 | Assign personnel to work areas or duty positions | 46 |
| Q848 | Input core automated maintenance system (CAMS) data on computer terminals | 46 |
| S1003 | Interpret policies, directives, or procedures for subordinates | 45 |
| Q833 | Coordinate maintenance of equipment with appropriate agencies | 45 |
| S969 | Develop or establish work methods or procedures | 44 |
| Q831 | Certify status of reparable, serviceable, or condemned parts or equipment | 44 |
| A32 | Perform general soldering | 44 |
| S990 | Evaluate personnel for promotion, demotion, reclassification, or special awards | 43 |
| A31 | Perform equipment maintenance using test equipment | 43 |
| T1043 | Evaluate personnel to determine training needs | 42 |
| Q842 | Identify and report equipment or supply problems | 42 |
| Q850 | Inventory equipment, tools, parts, or supplies | 42 |
| T1054 | Schedule training | 41 |

Average number of tasks performed - 144

TABLE 17

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2E071 PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=243) |
|--|---|
| S1006 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 67 |
| S1022 Supervise military personnel | 67 |
| S956 Conduct supervisory performance feedback sessions | 67 |
| S960 Counsel subordinates concerning personal matters | 65 |
| S1025 Write performance reports or supervisory appraisals | 65 |
| S1027 Write recommendations for awards or decorations | 62 |
| S964 Determine or establish work assignments or priorities | 62 |
| S953 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 59 |
| S1002 Inspect personnel for compliance with military standards | 58 |
| S958 Conduct supervisory orientations for newly assigned personnel | 58 |
| S979 Establish performance standards for subordinates | 53 |
| S954 Conduct self-inspections or self-assessments | 53 |
| S970 Develop or establish work schedules | 52 |
| S1003 Interpret policies, directives, or procedures for subordinates | 52 |
| T1049 Maintain training records or files | 51 |
| S950 Assign personnel to work areas or duty positions | 51 |
| A45 Provide technical assistance | 49 |
| S990 Evaluate personnel for promotion, demotion, reclassification, or special awards | 49 |
| S957 Conduct safety inspections of equipment or facilities | 49 |
| Q880 Review CAMS output data | 48 |
| A46 Read and interpret equipment technical manuals | 48 |
| Q832 Coordinate supply-related matters with appropriate agencies | 48 |
| S969 Develop or establish work methods or procedures | 48 |
| Q878 Research Federal Logistics (FEDLOG) systems | 47 |
| S1020 Schedule work assignments or priorities | 45 |
| T1034 Conduct OJT | 45 |
| Q833 Coordinate maintenance of equipment with appropriate agencies | 45 |
| S951 Assign sponsors for newly assigned personnel | 45 |
| S984 Evaluate inspection report findings or inspection procedures | 44 |
| S1028 Write replies to inspection reports | 44 |
| S1018 Schedule personnel for temporary duty (TDY) assignments, leaves, or passes | 43 |
| A39 Perform visual inspections of communications-electronics systems | 43 |
| Q831 Certify status of reparable, serviceable, or condemned parts or equipment | 42 |
| T1047 Evaluate progress of trainees | 42 |
| T1043 Evaluate personnel to determine training needs | 42 |
| Q848 Input core automated maintenance system (CAMS) data on computer terminals | 42 |

* Average Number of Tasks Performed - 139

TABLE 18

TASKS WHICH BEST DIFFERENTIATE BETWEEN TOTAL
DAFSC 2E051 AND DAFSC 2E071 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | TOTAL 2E051 (N=565) | TOTAL 2E071 (N=310) | DIFF |
|--|---------------------------|---------------------------|------|
| A32 Perform general soldering | 75 | 44 | 31 |
| A8 Clean or replace filters | 68 | 38 | 30 |
| D98 Adjust or align transmitter high-voltage power supplies | 61 | 34 | 27 |
| A29 Perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans | 65 | 38 | 27 |
| A25 Lubricate mechanical bearing surfaces, such as antenna rotary joints or bull gears | 60 | 34 | 26 |
| A16 Fabricate cables, such as coaxial, power, or triaxial | 65 | 39 | 26 |
| A31 Perform equipment maintenance using test equipment | 69 | 43 | 26 |
| A51 Remove or replace general electronics hardware, such as sockets, meters, fuse holders, or clamps | 60 | 35 | 25 |
| D124 Perform PMIs on transmitter systems | 65 | 40 | 25 |
| A28 Perform corrosion control on electrical assemblies, such as electronic component boards | 61 | 37 | 24 |
| E211 Perform PMIs on antenna systems | | | |
| S953 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 23 | 52 | -29 |
| S970 Develop or establish work schedules | 20 | 48 | -28 |
| S960 Counsel subordinates concerning personal matters | 30 | 58 | -28 |
| S951 Assign sponsors for newly assigned personnel | 11 | 38 | -27 |
| S1027 Write recommendations for awards or decorations | 29 | 56 | -27 |
| S1006 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 38 | 64 | -26 |
| S1022 Supervise military personnel | 34 | 59 | -25 |
| S950 Assign personnel to work areas or duty positions | 21 | 46 | -25 |
| S972 Draft agenda for general meetings, such as staff meetings, briefings, conferences, or workshops | 6 | 31 | -25 |
| S958 Conduct supervisory orientations for newly assigned personnel | 27 | 51 | -24 |
| S1025 Write performance reports or supervisory appraisals | 31 | 55 | -24 |
| S964 Determine or establish work areas or duty positions | 32 | 56 | -24 |
| S990 Evaluate personnel for promotion, demotion, reclassification, or special awards | 20 | 43 | -23 |

TABLE 19

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY
DAFSC 2E051 AND DAFSC 2E071 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | ACTIVE 2E051 (N=488) | ACTIVE 2E071 (N=243) | DIFF |
|--|----------------------------|----------------------------|------|
| A8 Clean or replace filters | 70 | 33 | 37 |
| A32 Perform general soldering | 74 | 38 | 36 |
| A29 Perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans | 65 | 32 | 33 |
| A51 Remove or replace general electronics hardware, such as sockets, meters, fuse holders, or clamps | 61 | 28 | 32 |
| A16 Fabricate cables, such as coaxial, power, or triaxial | 66 | 34 | 32 |
| A31 Perform equipment maintenance using test equipment | 70 | 38 | 32 |
| A43 Prepare equipment for test measurement and diagnostic equipment (TMDE) processing | 59 | 28 | 31 |
| D98 Adjust or align transmitter high-voltage power supplies | 62 | 31 | 31 |
| A25 Lubricate mechanical bearing surfaces, such as antenna rotary joints or bull gears | 60 | 29 | 31 |
| D124 Perform PMIs on transmitter systems | 66 | 35 | 31 |
| A28 Perform corrosion control on electrical assemblies, such as electronic component boards | 56 | 27 | 29 |
| S953 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 24 | 58 | -34 |
| S951 Assign sponsors for newly assigned personnel | 12 | 44 | -32 |
| S960 Counsel subordinates concerning personal matters | 35 | 65 | -30 |
| S1027 Write recommendations for awards or decorations | 32 | 62 | -30 |
| S970 Develop or establish work schedules | 22 | 52 | -30 |
| S1022 Supervise military personnel | 38 | 68 | -30 |
| S972 Draft agenda for general meetings, such as staff meetings, briefings, conferences, or workshops | 7 | 36 | -29 |
| S1025 Write performance reports or supervisory appraisals | 36 | 65 | -29 |
| S956 Conduct supervisory performance feedback sessions | 38 | 67 | -29 |
| S950 Assign personnel to work areas or duty positions | 23 | 51 | -28 |
| S964 Determine or establish work areas or duty positions | 34 | 62 | -28 |
| S958 Conduct supervisory orientations for newly assigned personnel | 31 | 58 | -27 |
| S990 Evaluate personnel for promotion, demotion, reclassification, or special awards | 22 | 49 | -27 |

TABLE 20

REPRESENTATIVE TASKS PERFORMED BY GUARD 2E071 PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=67) |
|-------|---|--|
| A46 | Read and interpret equipment technical manuals | 70 |
| A31 | Perform equipment maintenance using test equipment | 64 |
| A32 | Perform general soldering | 63 |
| Q848 | Input core automated maintenance system (CAMS) data on computer terminals | 61 |
| R907 | Don or doff chemical warfare personal protective ensembles | 61 |
| A39 | Perform visual inspections of communications-electronics systems | 61 |
| T1034 | Conduct OJT | 61 |
| A29 | Perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans | 61 |
| Q850 | Inventory equipment, tools, parts, or supplies | 60 |
| A16 | Fabricate cables, such as coaxial, power, or triaxial | 60 |
| D124 | Perform PMIs on transmitter systems | 58 |
| A8 | Clean or replace filters | 58 |
| A42 | Performance check system grounds | 58 |
| A45 | Provide technical assistance | 57 |
| Q878 | Research Federal Logistics (FEDLOG) systems | 57 |
| Q842 | Identify and report equipment or supply problems | 54 |
| T1049 | Maintain training records or files | 54 |
| A43 | Prepare equipment for test measurement and diagnostic equipment (TMDE) processing | 54 |
| A51 | Remove or replace general electronics hardware, such as sockets, meters, fuse holders, or clamps | 54 |
| R933 | Perform operator maintenance on weapons, such as 9mm pistols, M-16s, or M-79 grenade launchers | 52 |
| S1006 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 51 |
| E211 | Perform PMIs on antenna systems | 51 |
| A25 | Lubricate mechanical bearing surfaces, such as antenna rotary joints or bull gears | 51 |
| S954 | Conduct self-inspections or self-assessments | 51 |
| J573 | Perform PMIs on IFF/SIF equipment | 51 |
| F360 | Perform PMIs on receiver or processor systems | 51 |
| A12 | Determine locations of shorts or opens in cable runs | 51 |
| R925 | Participate in convoys | 49 |
| Q882 | Review status of awaiting parts (AWP) equipment | 49 |
| Q840 | Evaluate serviceability of equipment, tools, parts, or supplies | 49 |
| A28 | Perform corrosion control on electrical assemblies, such as electronic component boards | 49 |
| R910 | Erect tents | 48 |
| R927 | Perform camouflaging procedures | 48 |

* Average Number of Tasks Performed - 162

TABLE 21

TASKS WHICH BEST DIFFERENTIATE BETWEEN GUARD
DAFSC 2E051 AND DAFSC 2E071 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | GUARD 2E051 (N=77) | GUARD 2E071 (N=67) | DIFF |
|--|--------------------------|--------------------------|------|
| O800 Install or remove waveguide systems | 42 | 15 | 27 |
| O804 Pack or unpack support equipment | 45 | 19 | 26 |
| T1043 Evaluate personnel to determine training needs | 9 | 45 | -36 |
| T1049 Maintain training records or files | 20 | 54 | -34 |
| U1075 Maintain historical records | 9 | 43 | -34 |
| T1034 Conduct OJT | 28 | 61 | -33 |
| Q842 Identify and report equipment or supply problems | 25 | 54 | -29 |
| Q880 Review CAMS output data | 14 | 43 | -29 |
| S960 Counsel subordinates concerning personal matters | 4 | 33 | -29 |
| S1006 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 22 | 51 | -29 |
| U1071 Maintain administrative files | 5 | 33 | -28 |
| Q877 Report communications outages | 14 | 42 | -28 |
| T1054 Schedule training | 14 | 42 | -28 |
| S954 Conduct self-inspections or self-assessments | 24 | 51 | -27 |
| Q851 Issue job control numbers | 17 | 43 | -26 |
| Q860 Maintain status records or maintenance requirement records | 3 | 29 | -26 |
| T1047 Evaluate progress of trainees | 11 | 36 | -25 |
| S970 Develop or establish work schedules | 9 | 34 | -25 |
| Q848 Input core automated maintenance system (CAMS) data on computer terminals | 36 | 61 | -25 |
| Q882 Review status of awaiting parts (AWP) equipment | 25 | 50 | -25 |
| S958 Conduct supervisory orientations for newly assigned personnel | 4 | 28 | -24 |
| S1023 Write inspection reports | 1 | 25 | -24 |
| Q865 Maintain documentation on items requiring periodic inspections | 17 | 40 | -23 |

TABLE 22

REPRESENTATIVE TASKS PERFORMED BY TOTAL 2E091 PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=32) |
|-------|--|--|
| S960 | Counsel subordinates concerning personal matters | 84 |
| S953 | Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 81 |
| S1027 | Write recommendations for awards or decorations | 81 |
| S950 | Assign personnel to work areas or duty positions | 81 |
| S1002 | Inspect personnel for compliance with military standards | 81 |
| S1006 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 78 |
| S979 | Establish performance standards for subordinates | 78 |
| S958 | Conduct supervisory orientations for newly assigned personnel | 78 |
| S1022 | Supervise military personnel | 75 |
| S956 | Conduct supervisory performance feedback sessions | 72 |
| S964 | Determine or establish work assignments or priorities | 72 |
| S954 | Conduct self-inspections or self-assessments | 72 |
| S1003 | Interpret policies, directives, or procedures for subordinates | 72 |
| S965 | Develop organizational or functional charts | 72 |
| S990 | Evaluate personnel for promotion, demotion, reclassification, or special awards | 69 |
| S962 | Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 69 |
| S1025 | Write performance reports or supervisory appraisals | 66 |
| S1028 | Write replies to inspection reports | 66 |
| S991 | Evaluate safety or security programs | 66 |
| S969 | Develop or establish work methods or procedures | 63 |
| S957 | Conduct safety inspections of equipment or facilities | 63 |
| S986 | Evaluate job or position descriptions | 63 |
| S1001 | Initiate actions required due to substandard performance of personnel | 59 |
| R907 | Don or doff chemical warfare personal protective ensembles | 56 |
| R910 | Erect tents | 56 |
| S1017 | Review drafts of policy directives, instructions, or manuals | 56 |
| S984 | Evaluate inspection report findings or inspection procedures | 56 |
| S988 | Evaluate logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 56 |
| R926 | Participate in mobility exercise planning meetings | 56 |
| R927 | Perform camouflaging procedures | 56 |
| S968 | Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans | 56 |
| S985 | Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program | 56 |
| T1036 | Determine training requirements | 56 |

Average number of tasks performed - 120

TABLE 23

REPRESENTATIVE TASKS PERFORMED BY ACTIVE DUTY 2E091 PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=15) |
|---|--|
| S953 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 93 |
| S960 Counsel subordinates concerning personal matters | 93 |
| S956 Conduct supervisory performance feedback sessions | 87 |
| S979 Establish performance standards for subordinates | 87 |
| S1006 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 80 |
| S1025 Write performance reports or supervisory appraisals | 80 |
| S1027 Write recommendations for awards or decorations | 80 |
| S982 Evaluate budget requirements | 80 |
| S1002 Inspect personnel for compliance with military standards | 80 |
| S990 Evaluate personnel for promotion, demotion, reclassification, or special awards | 73 |
| S998 Endorse performance reports or supervisory appraisals | 73 |
| S958 Conduct supervisory orientations for newly assigned personnel | 73 |
| S950 Assign personnel to work areas or duty positions | 73 |
| S962 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 73 |
| S1022 Supervise military personnel | 67 |
| S1017 Review drafts of policy directives, instructions, or manuals | 67 |
| S972 Draft agenda for general meetings, such as staff meetings, briefings, conferences, or workshops | 67 |
| S1003 Interpret policies, directives, or procedures for subordinates | 67 |
| S984 Evaluate inspection report findings or inspection procedures | 67 |
| S1028 Write replies to inspection reports | 67 |
| S1001 Initiate actions required due to substandard performance of personnel | 67 |
| S964 Determine or establish work assignments or priorities | 60 |
| S986 Evaluate job or position descriptions | 60 |
| S974 Draft supplements or changes to directives, such as policy directives, instructions, or manuals | 60 |
| S978 Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs), other than EOIs | 60 |
| U1061 Coordinate requests for TDY orders with appropriate agencies | 53 |
| S988 Evaluate logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 53 |
| S954 Conduct self-inspections or self-assessments | 53 |
| S1009 Plan briefings, conferences, or workshops | 53 |
| S991 Evaluate safety or security programs | 53 |
| S969 Develop or establish work methods or procedures | 53 |

* Average Number of Tasks Performed - 53

TABLE 24

TASKS WHICH BEST DIFFERENTIATE BETWEEN TOTAL
DAFSC 2E071 AND DAFSC 2E091 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | TOTAL 2E071 (N=310) | TOTAL 2E091 (N=32) | DIFF |
|--|---------------------------|--------------------------|------|
| | | | |
| S965 Develop organizational or functional charts | 26 | 72 | -46 |
| R926 Participate in mobility exercise planning meetings | 17 | 56 | -39 |
| S989 Evaluate mobility, contingency, disaster preparedness, or unit emergency or alert plans | 15 | 53 | -38 |
| S968 Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans | 19 | 56 | -37 |
| S950 Assign personnel to work areas or duty positions | 46 | 81 | -35 |
| S962 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 34 | 69 | -35 |
| S991 Evaluate safety or security programs | 33 | 66 | -33 |
| S981 Evaluate accident or incident reports | 21 | 53 | -32 |
| S1014 Plan deployments of equipment or personnel | 12 | 44 | -32 |
| S979 Establish performance standards for subordinates | 47 | 78 | -31 |
| S986 Evaluate job or position descriptions | 31 | 62 | -31 |
| S910 Erect tents | 25 | 56 | -31 |
| S1002 Inspect personnel for compliance with military standards | 51 | 82 | -31 |
| R908 Draft or write mobility exercise or deployment after-action reports | 13 | 44 | -31 |
| S1017 Review drafts of policy directives, instructions, or manuals | 26 | 56 | -30 |
| S953 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 51 | 81 | -30 |
| R927 Perform camouflaging procedures | 27 | 57 | -30 |
| R905 Develop mobility inspection checklists | 12 | 41 | -29 |
| R913 Identify equipment requirements for mobility exercises or deployments | 15 | 44 | -29 |
| R933 Perform operator maintenance on weapons, such as 9mm pistols, M-16s, or M-79 grenade launchers | 23 | 50 | -27 |
| R998 Endorse performance reports or supervisory appraisals | 26 | 53 | -27 |
| R925 Participate in convoys | 26 | 53 | -27 |
| R915 Inspect mobility bags or kits | 23 | 50 | -27 |
| S1003 Interpret policies, directives, or procedures for subordinates | 45 | 72 | -27 |

TABLE 25

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY
DAFSC 2E071 AND DAFSC 2E091 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | ACTIVE 2E071 (N=243) | ACTIVE 2E091 (N=15) | DIFF |
|--|----------------------------|---------------------------|------|
| T1034 Conduct OJT | 45 | 0 | 45 |
| Q848 Input core automated maintenance system (CAMS) data on computer terminals | 42 | 0 | 42 |
| A32 Perform general soldering | 38 | 0 | 38 |
| A31 Perform equipment maintenance using test equipment | 37 | 0 | 37 |
| Q850 Inventory equipment, tools, parts, or supplies | 37 | 0 | 37 |
| U1089 Review TO changes | 36 | 0 | 36 |
| Q831 Certify status of repairable, serviceable, or condemned parts or equipment | 42 | 6 | 36 |
| D124 Perform PMIs on transmitter systems | 35 | 0 | 35 |
| T1043 Evaluate personnel to determine training needs | 42 | 7 | 35 |
| T1047 Evaluate progress of trainees | 42 | 7 | 35 |
| Q880 Review CAMS output data | 48 | 13 | 35 |
| T1054 Schedule training | 41 | 7 | 34 |
| Q878 Research Federal Logistics (FEDLOG) systems | 47 | 13 | 34 |
| E211 Perform PMIs on antenna systems | 33 | 0 | 33 |
| A16 Fabricate cables, such as coaxial, power, or triaxial | 33 | 0 | 33 |
| S982 Evaluate budget requirements | 29 | 80 | -51 |
| S998 Endorse performance reports or supervisory appraisals | 31 | 73 | -42 |
| S1017 Review drafts of policy directives, instructions, or manuals | 29 | 67 | -38 |
| S989 Evaluate mobility, contingency, disaster preparedness, or unit emergency or alert plans | 17 | 53 | -36 |
| S953 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 59 | 93 | -34 |
| S978 Establish organizational policies, such as operating instructions, (OIs) or standard operating procedures (SOPs), other than EOIs | 26 | 60 | -34 |
| S974 Draft supplements or changes to directives, such as policy directives, instructions, or manuals | 26 | 60 | -34 |
| S962 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 39 | 73 | -34 |

TABLE 26

REPRESENTATIVE TASKS PERFORMED BY GUARD 2E091 PERSONNEL

| TASKS | | PERCENT MEMBERS PERFORMING (N=17) |
|-------|--|--|
| S950 | Assign personnel to work areas or duty positions | 88 |
| S954 | Conduct self-inspections or self-assessments | 88 |
| T1036 | Determine training requirements | 88 |
| S965 | Develop organizational or functional charts | 88 |
| R907 | Don or doff chemical warfare personal protective ensembles | 82 |
| R910 | Erect tents | 82 |
| R927 | Perform camouflaging procedures | 82 |
| S964 | Determine or establish work assignments or priorities | 82 |
| S1022 | Supervise military personnel | 82 |
| S958 | Conduct supervisory orientations for newly assigned personnel | 82 |
| Q850 | Inventory equipment, tools, parts, or supplies | 82 |
| S1027 | Write recommendations for awards or decorations | 82 |
| S1002 | Inspect personnel for compliance with military standards | 82 |
| R915 | Inspect mobility bags or kits | 76 |
| R916 | Inspect packed or palletized mobility or contingency equipment prior to transport | 76 |
| T1049 | Maintain training records or files | 76 |
| S1006 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 76 |
| S992 | Evaluate work schedules | 76 |
| S960 | Counsel subordinates concerning personal matters | 76 |
| S991 | Evaluate safety or security programs | 76 |
| S957 | Conduct safety inspections of equipment or facilities | 76 |
| T1034 | Conduct OJT | 76 |
| R925 | Participate in convoys | 76 |
| S970 | Develop or establish work schedules | 76 |
| S1003 | Interpret policies, directives, or procedures for subordinates | 76 |
| S969 | Develop or establish work methods or procedures | 71 |
| A45 | Provide technical assistance | 71 |
| S995 | Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace | 71 |
| S1020 | Schedule work assignments or priorities | 71 |
| S953 | Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 71 |
| S993 | Evaluate workload requirements | 71 |
| R932 | Perform operator maintenance on mobilizers, transporters, or heavy-duty vehicles up to 10-ton, such as M-series vehicles | 71 |
| S979 | Establish performance standards for subordinates | 71 |
| R926 | Participate in mobility exercise planning meetings | 71 |
| T1043 | Evaluate personnel to determine training needs | 71 |
| T1047 | Evaluate progress of trainees | 71 |

* Average Number of Tasks Performed - 179

TABLE 27

TASKS WHICH BEST DIFFERENTIATE BETWEEN GUARD
DAFSC 2E071 AND DAFSC 2E091 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | GUARD 3E071 (N=67) | GUARD 3E091 (N=17) | DIFF |
|--|--------------------------|--------------------------|------|
| S965 Develop organizational or functional charts | 18 | 88 | -70 |
| S992 Evaluate work schedules | 15 | 77 | -62 |
| S991 Evaluate safety or security programs | 15 | 77 | -62 |
| S950 Assign personnel to work areas or duty positions | 28 | 88 | -60 |
| S1002 Inspect personnel for compliance with military standards | 24 | 82 | -58 |
| T1036 Determine training requirements | 30 | 88 | -58 |
| S986 Evaluate job or position descriptions | 9 | 65 | -56 |
| S1003 Interpret policies, directives, or procedures for subordinates | 21 | 77 | -56 |
| S958 Conduct supervisory orientations for newly assigned personnel | 28 | 82 | -54 |
| S985 Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program | 12 | 65 | -53 |
| S993 Evaluate workload requirements | 18 | 71 | -53 |
| S1020 Schedule work assignments or priorities | 18 | 71 | -53 |
| S995 Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace | 19 | 70 | -51 |
| S1027 Write recommendations for awards or decorations | 31 | 82 | -51 |
| S1022 Supervise military personnel | 31 | 82 | -51 |
| S981 Evaluate accident or incident reports | 9 | 59 | -50 |
| S962 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 15 | 65 | -50 |
| S997 Implement workcenter corrosion prevention and control programs | 12 | 59 | -47 |
| R905 Develop mobility inspection checklists | 18 | 65 | -47 |
| R926 Participate in mobility exercise planning meetings | 24 | 71 | -47 |
| S979 Establish performance standards for subordinates | 24 | 71 | -47 |
| S964 Determine or establish work assignments or priorities | 36 | 83 | -47 |
| S989 Evaluate mobility, contingency, disaster preparedness, or unit emergency or alert plans | 7 | 52 | -45 |
| T1052 Prepare job qualification standards (JQSs) | 7 | 52 | -45 |
| S988 Evaluate logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 14 | 59 | -45 |
| S953 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 25 | 70 | -45 |

TABLE 28

TASKS WHICH BEST DIFFERENTIATE BETWEEN TOTAL ACTIVE DUTY
DAFSC 2E0X1 AND TOTAL AIR NATIONAL GUARD DAFSC 2E0X1 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | ACTIVE 3E0X1 (N=902) | GUARD 3E0X1 (N=162) | DIFF |
|---|----------------------------|---------------------------|------|
| S956 Conduct supervisory performance feedback sessions | 41 | 14 | 27 |
| S1025 Write performance reports or supervisory appraisals | 39 | 14 | 25 |
| H421 Adjust or align PS&J boxes | 22 | 1 | 21 |
| H450 Isolate PS&J box malfunctions | 21 | 1 | 20 |
| R907 Don or doff chemical warfare personal protective ensembles | 24 | 64 | -40 |
| R925 Participate in convoys | 19 | 55 | -36 |
| R933 Perform operator maintenance on weapons, such as 9mm pistols, M-16s, or M-79 grenade launchers | 16 | 52 | -36 |
| R910 Erect tents | 19 | 54 | -35 |
| R924 Pack or palletize mobility or contingency equipment for shipment or movement | 15 | 48 | -33 |
| R915 Inspect mobility bags or kits | 16 | 49 | -33 |
| R939 Prepare mobile radar equipment for mission deployments | 17 | 47 | -30 |
| R927 Perform camouflaging procedures | 20 | 49 | -29 |
| J572 Load or clear mode 4 codes | 6 | 35 | -29 |
| R916 Inspect packed or palletized mobility or contingency equipment prior to transport | 12 | 40 | -28 |
| R932 Perform operator maintenance on mobilizers, transporters, or heavy-duty vehicles up to 10-ton, such as M-series vehicles | 18 | 46 | -28 |
| R946 Set up mobile radar equipment at mission deployment sites | 17 | 44 | -27 |
| R937 Perform site security or defense | 16 | 39 | -23 |
| R912 Identify chemical warfare agents | 16 | 39 | -23 |
| D131 Remove or replace liquid cooling system subassemblies | 13 | 36 | -23 |
| R935 Perform radar site preparations, such as leveling or clearing | 10 | 33 | -23 |
| D111 Isolate liquid cooling system malfunctions | 13 | 36 | -23 |
| R940 Prepare mobile radar systems or accessories for operation at deployed locations | 15 | 37 | -22 |
| A57 Set up or tear down portable or transportable shelters | 27 | 48 | -21 |
| D100 Adjust or align transmitter liquid cooling systems | 16 | 37 | -21 |

TABLE 29

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY
DAFSC 2E051 AND AIR NATIONAL GUARD DAFSC 2E051 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | ACTIVE 3E051 (N=488) | GUARD 3E051 (N=77) | DIFF |
|---|----------------------------|--------------------------|------|
| Q880 Review CAMS output data | 52 | 14 | 38 |
| S1025 Write performance reports or supervisory appraisals | 36 | 0 | 36 |
| S956 Conduct supervisory performance feedback sessions | 39 | 3 | 36 |
| S960 Counsel subordinates concerning personal matters | 35 | 4 | 31 |
| T1049 Maintain training records or files | 50 | 20 | 30 |
| A40 Performance check alarm systems, such as fire alarms or bail-out alarms | 38 | 9 | 29 |
| A55 Remove or replace servos, synchros, or selsyns | 28 | 1 | 27 |
| S958 Conduct supervisory orientations for newly assigned personnel | 31 | 4 | 27 |
| T1034 Conduct OJT | 56 | 29 | 27 |
| S1022 Supervise military personnel | 38 | 12 | 26 |
| T1047 Evaluate progress of trainees | 36 | 10 | 26 |
| F266 Adjust or align automatic frequency control (AFC) circuits | 38 | 12 | 26 |
| Q882 Review status of awaiting parts (AWP) equipment | 50 | 24 | 26 |
| R907 Don or doff chemical warfare personal protective ensembles | 24 | 62 | -38 |
| R925 Participate in convoys | 20 | 56 | -36 |
| R939 Prepare mobile radar equipment for mission deployments | 19 | 53 | -34 |
| R924 Pack or palletize mobility or contingency equipment for shipment or movement | 17 | 51 | -34 |
| R910 Erect tents | 19 | 53 | -34 |
| R915 Inspect mobility bags or kits | 18 | 51 | -33 |
| R933 Perform operator maintenance on weapons, such as 9mm pistols, M-16s, or M-79 grenade launchers | 18 | 48 | -30 |
| R946 Set up mobile radar equipment at mission deployment sites | 18 | 47 | -29 |
| O804 Pack or unpack support equipment | 17 | 46 | -29 |
| J572 Load or clear mode 4 codes | 7 | 35 | -28 |
| R932 Perform operator maintenance on mobilizers, transporters, or heavy-duty vehicles up to 10-ton, such as M-series vehicles | 26 | 47 | -27 |

TABLE 30

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY
DAFSC 2E071 AND AIR NATIONAL GUARD DAFSC 2E071 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | ACTIVE 3E071 (N=243) | GUARD 3E071 (N=67) | DIFF |
|--|----------------------------|--------------------------|------|
| S926 Conduct supervisory performance feedback sessions | 67 | 15 | 52 |
| S1025 Write performance reports or supervisory appraisals | 64 | 19 | 45 |
| S1022 Supervise military personnel | 67 | 31 | 36 |
| S1002 Inspect personnel for compliance with military standards | 58 | 24 | 34 |
| S953 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 58 | 25 | 33 |
| S960 Counsel subordinates concerning personal matters | 65 | 32 | 32 |
| S1003 Interpret policies, directives, or procedures for subordinates | 52 | 21 | 31 |
| S1027 Write recommendations for awards or decorations | 62 | 31 | 31 |
| S951 Assign sponsors for newly assigned personnel | 45 | 15 | 30 |
| S958 Conduct supervisory orientations for newly assigned personnel | 58 | 28 | 30 |
| S979 Establish performance standards for subordinates | 53 | 24 | 29 |
| S986 Evaluate job or position descriptions | 37 | 9 | 28 |
| S990 Evaluate personnel for promotion, demotion, reclassification, or special awards | 49 | 21 | 28 |
| S985 Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program | 40 | 12 | 28 |
| S1018 Schedule personnel for temporary duty (TDY) assignments, leaves, or passes | 43 | 15 | 28 |
| S1024 Write job or position descriptions | 37 | 9 | 28 |
| S984 Evaluate inspection report findings or inspection procedures | 44 | 16 | 28 |
| R933 Perform operator maintenance on weapons, such as 9mm pistols, M-16s, or M-79 grenade launchers | 14 | 62 | 38 |
| R907 Don or doff chemical warfare personal protective ensembles | 26 | 61 | 35 |
| J572 Load or clear mode 4 codes | 4 | 36 | 32 |
| A29 Perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans | 31 | 61 | 30 |
| R925 Participate in convoys | 19 | 49 | 30 |
| R910 Erect tents | 20 | 48 | 28 |
| A19 Fabricate test cables or plugs | 20 | 48 | 28 |
| D97 Adjust or align transmitter blanking circuits | 15 | 42 | 27 |

TABLE 31

TASKS WHICH BEST DIFFERENTIATE BETWEEN ACTIVE DUTY
DAFSC 2E091 AND AIR NATIONAL GUARD DAFSC 2E091 PERSONNEL
(PERCENT MEMBERS PERFORMING)

| TASKS | ACTIVE 3E091 (N=15) | GUARD 3E091 (N=17) | DIFF |
|--|---------------------------|--------------------------|------|
| S982 Evaluate budget requirements | 80 | 18 | 62 |
| Q850 Inventory equipment, tools, parts, or supplies | | | |
| R916 Inspect packed or palletized mobility or contingency equipment prior to transport | 0 | 82 | -82 |
| T1034 Conduct OJT | 0 | 76 | -76 |
| T1036 Determine training requirements | 20 | 76 | -76 |
| Q839 Estimate job durations | 0 | 88 | -88 |
| R924 Pack or palletize mobility or contingency equipment for shipment or movement | 0 | 65 | -65 |
| A44 Prepare maintenance schedules | 0 | 65 | -65 |
| T1043 Evaluate personnel to determine training needs | 0 | 65 | -65 |
| T1047 Evaluate progress of trainees | 7 | 71 | *64 |
| Q840 Evaluate serviceability of equipment, tools, parts, or supplies | 7 | 71 | -64 |
| U1089 Review TO changes | 7 | 71 | -64 |
| A57 Set up or tear down portable or transportable shelters | 0 | 59 | -59 |
| R939 Prepare mobile radar equipment for mission deployments | 0 | 59 | -59 |
| R947 Transport mobility or contingency equipment to or from deployed locations | 0 | 59 | -59 |
| Q863 Maintain TMDE status listings or calibration schedules | 0 | 59 | -59 |
| Q852 Issue or log turn-ins of equipment, tools, parts, or supplies | 0 | 59 | -59 |
| T1039 Develop training materials or aids | 0 | 59 | -59 |
| R940 Prepare mobile radar systems or accessories for operation at deployed locations | 0 | 59 | -59 |
| R935 Perform radar site preparations, such as leveling or clearing | 0 | 59 | -59 |
| T1054 Schedule training | 7 | 59 | -59 |
| U1075 Maintain historical records | 7 | 65 | -58 |
| Q831 Certify status of repairable, serviceable, or condemned parts or equipment | 7 | 65 | -58 |
| T1055 Schedule personnel for training | 7 | 65 | -58 |

TABLE 32

RELATIVE PERCENT OF TIME SPENT ACROSS DUTIES BY
ACTIVE DUTY FIRST-ENLISTMENT AFSC 2E0X1 PERSONNEL

| DUTY | AVERAGE PERCENT TIME SPENT (N=184) |
|--|---|
| A PERFORMING GENERAL MAINTENANCE ACTIVITIES | 22 |
| B MAINTAINING POWER AND DISTRIBUTION EQUIPMENT | 4 |
| C MAINTAINING TIMING SYSTEMS | 2 |
| D MAINTAINING RADAR TRANSMITTER SYSTEMS | 13 |
| E MAINTAINING ANTENNA AND WAVEGUIDE SYSTEMS | 10 |
| F MAINTAINING RECEIVER OR PROCESSOR SYSTEMS | 9 |
| G MAINTAINING REMOTING EQUIPMENT | 2 |
| H MAINTAINING DISPLAY, BRIGHT RADAR INDICATING TOWER (BRITE), AND DIGITAL BRITE (DBRITE) EQUIPMENT | 4 |
| I MAINTAINING ANCILLARY EQUIPMENT | 3 |
| J MAINTAINING IDENTIFICATION FRIEND OR FOE (IFF) AND SELECTIVE IDENTIFICATION FEATURE (SIF) EQUIPMENT | 4 |
| K MAINTAINING RANGE AND ANGLE TRACKING SYSTEMS | 1 |
| L MAINTAINING COMPUTER SYSTEMS | 2 |
| M PERFORMING OPERATIONS ACTIVITIES | 5 |
| N PERFORMING RADAR EVALUATION ACTIVITIES | * |
| O PERFORMING RADAR SYSTEM ENGINEERING, INSTALLATION, AND REMOVAL ACTIVITIES | 2 |
| P PERFORMING QUALITY ASSURANCE EVALUATOR OR MAINTENANCE SUPPORT ACTIVITIES | 1 |
| Q PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES | 8 |
| R PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES | 5 |
| S PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES | 1 |
| T PERFORMING TRAINING ACTIVITIES | 1 |
| U PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER SYSTEM ACTIVITIES | 2 |

NOTE: Columns may not add to 100 percent due to rounding

TABLE 33

REPRESENTATIVE TASKS PERFORMED BY FIRST ENLISTMENT 2E0X1 PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=184) |
|---|---|
| A32 Perform general soldering | 91 |
| D124 Perform PMIs on transmitter systems | 86 |
| A31 Perform equipment maintenance using test equipment | 83 |
| A8 Clean or replace filters | 83 |
| E211 Perform PMIs on antenna systems | 74 |
| D98 Adjust or align transmitter high-voltage power supplies | 74 |
| A29 Perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans | 73 |
| A46 Read and interpret equipment technical manuals | 72 |
| A16 Fabricate cables, such as coaxial, power, or triaxial | 69 |
| A39 Perform visual inspections of communications-electronics systems | 68 |
| A51 Remove or replace general electronics hardware, such as sockets, meters, fuse holders, or clamps | 67 |
| A25 Lubricate mechanical bearing surfaces, such as antenna rotary joints or bull gears | 64 |
| D99 Adjust or align transmitter high-voltage protective or fault circuits | 63 |
| A28 Perform corrosion control on electrical assemblies, such as electronic component boards | 62 |
| A37 Perform preventive maintenance inspections (PMIs) on built-in test equipment (BITE) | 59 |
| F360 Perform PMIs on receiver or processor systems | 59 |
| A12 Determine locations of shorts or opens in cable runs | 58 |
| A42 Performance check system grounds | 57 |
| D137 Remove or replace transmitter high-voltage power supplies | 57 |
| D129 Remove or replace dummy loads | 57 |
| Q878 Research Federal Logistics (FEDLOG) systems | 55 |
| B71 Perform PMIs on power and distribution systems | 55 |
| E168 Adjust or align gas or air waveguide pressurizing/dehydrating systems | 54 |
| A6 Change oil supplies, such as dielectric oil | 54 |
| A43 Prepare equipment for test measurement and diagnostic equipment (TMDE) processing | 54 |
| A41 Performance check interlock protective circuits | 54 |
| B68 Isolate power supply malfunctions | 52 |
| A7 Check or replace desiccants | 51 |
| D103 Adjust or align transmitter performance monitor circuits, such as power monitors or voltage standing wave ratio monitors | 51 |
| B78 Remove or replace power supplies, other than transmitter high-voltage power supplies | 51 |
| A1 Adjust or align analog-to-digital (A-D) or digital-to-analog (D-A) converters | 51 |
| D138 Remove or replace transmitter high-voltage power supply subassemblies | 51 |
| Q850 Inventory equipment, tools, parts, or supplies | 49 |
| D101 Adjust or align transmitter modulators | 49 |

* Average Number of Tasks Performed - 184

TABLE 34

TECHNICAL TASKS RATED HIGHEST IN TRAINING EMPHASIS (TE)
BY AFSC 2E0X1 PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING | | | | |
|--|----------------------------|-----|-----|-----|--------|
| | TNG | 1ST | 1ST | 1ST | TASK |
| | EMP* | JOB | ENL | ENL | DIFF** |
| A46 Read and interpret equipment technical manuals | 6.64 | 66 | 72 | 72 | 5.40 |
| A31 Perform equipment maintenance using test equipment | 6.51 | 79 | 83 | 83 | 5.33 |
| A32 Perform general soldering | 6.34 | 93 | 91 | 91 | 3.56 |
| D124 Perform PMIs on transmitter systems | 5.93 | 87 | 86 | 86 | 4.26 |
| J573 Perform PMIs on IFF/SIF equipment | 5.54 | 35 | 41 | 41 | 4.74 |
| D101 Adjust or align transmitter modulators | 5.39 | 35 | 49 | 49 | 5.27 |
| F360 Perform PMIs on receiver or processor systems | 5.34 | 62 | 59 | 59 | 4.69 |
| D98 Adjust or align transmitter high-voltage power supplies | 5.30 | 66 | 74 | 74 | 5.14 |
| J546 Adjust or align IFF/SIF transmitters | 5.16 | 34 | 36 | 36 | 5.47 |
| D115 Isolate transmitter modulator malfunctions | 5.13 | 24 | 40 | 40 | 6.40 |
| D99 Adjust or align transmitter high-voltage protective or fault circuits | 5.10 | 56 | 63 | 63 | 5.25 |
| E211 Perform PMIs on antenna systems | 5.07 | 71 | 74 | 74 | 4.44 |
| F280 Adjust or align MTI receivers | 5.07 | 34 | 43 | 43 | 5.71 |
| D126 Performance check transmitter systems, other than during PMIs | 5.02 | 41 | 48 | 48 | 4.80 |
| A39 Perform visual inspections of communications-electronics systems | 4.95 | 60 | 68 | 68 | 2.64 |
| B68 Isolate power supply malfunctions | 4.93 | 44 | 52 | 52 | 5.15 |
| F275 Adjust or align intermediate frequency (IF) amplifiers or preamplifiers | 4.90 | 34 | 36 | 36 | 5.48 |
| C90 Perform PMIs on timing systems | 4.89 | 46 | 47 | 47 | 4.17 |
| J542 Adjust or align IFF/SIF receivers | 4.82 | 31 | 31 | 31 | 5.56 |
| D114 Isolate transmitter high-voltage protective or fault circuit malfunctions | 4.79 | 34 | 49 | 49 | 6.10 |
| F361 Performance check receiver or processor systems, other than during PMIs | 4.75 | 22 | 28 | 28 | 5.07 |
| J574 Performance check IFF/SIF systems, other than during PMIs | 4.74 | 13 | 26 | 26 | 5.01 |
| F279 Adjust or align moving target indicator (MTI) cancellation systems | 4.72 | 41 | 43 | 43 | 5.84 |
| D116 Isolate transmitter output tube malfunctions | 4.69 | 16 | 27 | 27 | 6.19 |

* Mean TE Rating is 1.46, and Standard Deviation is 1.17 (High TE = 2.63)

** Average TD Rating is 5.00

TABLE 35

TASKS RATED HIGHEST IN TASK DIFFICULTY (TD) BY AFSC 2E0X1 PERSONNEL

| TASKS | TASK DIFF* | PERCENT MEMBERS PERFORMING | | | | | TNG EMP* |
|--|---------------|----------------------------|------------|-------|-------|-------|-------------|
| | | IST JOB | IST ENL | 2E031 | 2E051 | 2E071 | |
| A11 Design or fabricate electronic circuitry | 8.77 | 10 | 15 | 19 | 15 | 9 | .74 |
| E228 Remove or replace antenna pedestals | 8.45 | 4 | 9 | 6 | 12 | 11 | .52 |
| P828 Write contracts | 8.09 | 1 | 1 | 1 | 1 | 5 | .08 |
| N744 Evaluate prototype radars or modified equipment | 7.79 | 0 | 0 | 1 | 3 | 7 | .23 |
| L632 Isolate computer software malfunctions | 7.21 | 3 | 8 | 10 | 13 | 7 | .95 |
| N742 Evaluate fixed radars | 7.16 | 6 | 3 | 5 | 10 | 15 | .93 |
| E236 Remove or replace antenna slip ring assemblies | 7.11 | 9 | 15 | 16 | 21 | 16 | 1.54 |
| E188 Isolate antenna phase array malfunctions | 7.09 | 4 | 11 | 12 | 14 | 11 | 2.05 |
| E233 Remove or replace antenna reflectors | 7.08 | 12 | 15 | 12 | 13 | 16 | .80 |
| N746 Measure or plot antenna beam patterns | 7.06 | 1 | 1 | 1 | 3 | 4 | .23 |
| N743 Evaluate mobile radars | 7.04 | 1 | 7 | 6 | 9 | 10 | .95 |
| E181 Isolate antenna beam forming component malfunctions | 7.02 | 9 | 11 | 14 | 12 | 9 | 1.72 |
| E182 Isolate antenna beam position control unit malfunctions | 6.95 | 12 | 15 | 14 | 15 | 12 | 1.79 |
| N745 Measure antenna controls | 6.94 | 0 | 1 | 1 | 3 | 3 | .16 |
| P819 Evaluate contractor proposals | 6.93 | 0 | 0 | 0 | 2 | 8 | .25 |
| L625 Identify software deficiencies | 6.93 | 3 | 9 | 8 | 12 | 7 | 1.10 |
| E258 Remove or replace rotary joints or couplers | 6.89 | 29 | 27 | 28 | 18 | 23 | 2.00 |
| N740 Evaluate airborne radars | 6.87 | 0 | 0 | 0 | 1 | 1 | .30 |
| L637 Isolate erasable programmable read-only (EPROM) malfunctions | 6.86 | 1 | 4 | 4 | 5 | 5 | .70 |
| N739 Develop evaluation operating instructions (EOIs) | 6.82 | 0 | 1 | 0 | 5 | 9 | .15 |
| P830 Write quality assurance surveillance plans | 6.82 | 0 | 0 | 1 | 3 | 9 | .08 |
| L641 Isolate peripheral interface or computer bus circuit malfunctions | 6.80 | 3 | 4 | 7 | 7 | 6 | .93 |
| E189 Isolate antenna phase shifter malfunctions | 6.76 | 9 | 15 | 14 | 15 | 13 | 2.25 |
| L631 Isolate computer equipment component malfunctions | 6.70 | 1 | 9 | 10 | 17 | 8 | 1.00 |
| F327 Isolate monitor and fault isolation (MFI) malfunctions | 6.68 | 6 | 9 | 10 | 13 | 9 | 2.21 |

* Average TD Rating is 5.00

** Mean TE Rating is 1.46, and Standard Deviation is 1.17 (High TE= 2.63)

TABLE 36

EXAMPLES OF STS ITEMS NOT SUPPORTED BY OSR DATA FOR DAFSC 2E0X1
(PERCENT MEMBERS PERFORMING)

| STS REFERENCE/TASKS | TNG EMP | % MEMBERS PERFORMING | | | TSK DIF |
|---|------------|----------------------|-----------|-----------|------------|
| | | 1ST ENL | 3- LVL | 5- LVL | |
| | | (N=184) | (N=155) | (N=488) | |
| <i>22.1.5 Remove and replace an LRU</i> | | | | | |
| H463 Remove or replace display equipment electronic component boards | 1.64 | 14 | 19 | 17 | 3.95 |
| H464 Remove or replace display equipment modules | 1.66 | 8 | 10 | 13 | 3.94 |
| <i>27.3 Use diagnostic programs to isolate malfunction to LRU</i> | | | | | |
| L630 Isolate computer data entry (CDE, radar control unit panel, or keyboard malfunctions | .92 | 8 | 10 | 12 | 6.01 |
| L631 Isolate computer equipment component malfunctions | 1.00 | 9 | 10 | 17 | 6.70 |
| L632 Isolate computer software malfunctions | .95 | 8 | 10 | 13 | 7.21 |
| L639 Isolate hard disk drive or controller malfunctions | 1.11 | 8 | 9 | 13 | 6.39 |
| L640 Isolate peripheral hardware malfunctions, such as modems, printers, or plotters | 1.21 | 14 | 17 | 14 | 6.03 |
| L641 Isolate peripheral interface or computer bus circuit malfunctions | .93 | 4 | 7 | 7 | 6.80 |
| L642 Isolate peripheral subassembly malfunctions | .93 | 5 | 5 | 7 | 6.33 |
| <i>27.4 Remove and replace LRU</i> | | | | | |
| L624 Clean or reset peripheral interface cards | .72 | 10 | 11 | 16 | 2.83 |
| L655 Remove or replace computer subassemblies | 1.08 | 13 | 12 | 18 | 3.96 |

TD MEAN = 5.00; S.D. = 1.00; TE MEAN = 1.46; S.D. = 1.17

TABLE 37

TECHNICAL TASKS PERFORMED BY 20 PERCENT OR MORE
GROUP MEMBERS BUT NOT REFERENCED BY STS FOR DAFSC 2E0X1

| TASKS | | PERCENT MEMBERS PERFORMING | | | | | | |
|-------|--|----------------------------|-----|-----|---------|---------|------|--|
| | | TNG | 1ST | 1ST | 2E031 | 2E051 | TSK | |
| | | EMP | JOB | ENL | (N=155) | (N=488) | DIF | |
| A1 | Adjust or align analog-to-digital (A-D) or digital-to-analog (D-A) converters | 3.57 | 41 | 51 | 52 | 50 | 4.47 | |
| A12 | Determine locations of shorts or opens in cable runs | 4.46 | 51 | 58 | 58 | 55 | 4.73 | |
| A16 | Fabricate cables, such as coaxial, power, or triaxial | 4.64 | 53 | 69 | 67 | 66 | 4.26 | |
| A46 | Read and interpret equipment technical manuals | 6.64 | 66 | 72 | 73 | 69 | 5.40 | |
| D137 | Remove or replace transmitter high-voltage power supplies | 3.52 | 43 | 57 | 57 | 52 | 4.52 | |
| E168 | Adjust or align gas or air waveguide pressurizing/dehydrating systems | 3.79 | 47 | 54 | 51 | 51 | 4.20 | |
| E211 | Perform PMIs on antenna systems | 5.07 | 71 | 74 | 74 | 60 | 4.44 | |
| A19 | Fabricate test cables or plugs | 2.54 | 26 | 40 | 41 | 46 | 4.16 | |
| A49 | Remove or replace electric motors, generators, or brushes | 1.74 | 34 | 40 | 41 | 42 | 4.65 | |
| A52 | Remove or replace internal chassis wiring | 1.57 | 25 | 34 | 34 | 36 | 6.30 | |
| A57 | Set up or tear down portable or transportable shelters | 2.62 | 24 | 31 | 30 | 31 | 6.36 | |
| A45 | Provide technical assistance | .48 | 34 | 42 | 44 | 51 | 6.22 | |
| A25 | Lubricate mechanical bearing surfaces, such as antenna rotary joints or bull gears | 3.03 | 50 | 64 | 70 | 60 | 2.01 | |
| A28 | Perform corrosion control on electrical assemblies, such as electronic component boards | 4.69 | 51 | 62 | 68 | 56 | 2.99 | |
| A29 | Perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans | 4.41 | 65 | 73 | 75 | 65 | 2.98 | |

TD MEAN = 5.00; SD = 1.00

TABLE 38

JOB SATISFACTION INDICATORS FOR ACTIVE DUTY AFSC 2E0X1 TAFMS GROUPS
(PERCENT MEMBERS RESPONDING)

| | 1-48 MONTHS TAFMS | | 49-96 MONTHS TAFMS | | 97+ MONTHS TAFMS | |
|--|--------------------------|-----------------------------|--------------------------|-----------------------------|--------------------------|-----------------------------|
| | AFSC 2E0X1 (N=184) | COMP SAMPLE (N=3,883) | AFSC 2E0X1 (N=205) | COMP SAMPLE (N=2,651) | AFSC 2E0X1 (N=512) | COMP SAMPLE (N=6,033) |
| <u>EXPRESSED JOB INTEREST:</u> | | | | | | |
| INTERESTING | 63 | 65 | 66 | 65 | 76 | 74 |
| SO-SO | 21 | 19 | 19 | 20 | 13 | 17 |
| DULL | 16 | 16 | 66 | 15 | 11 | 9 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | | |
| FAIRLY WELL TO PERFECTLY | 75 | 72 | 77 | 75 | 83 | 83 |
| LITTLE OR NOT AT ALL | 25 | 28 | 23 | 25 | 17 | 17 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | | |
| FAIRLY WELL TO PERFECTLY | 85 | 85 | 77 | 82 | 76 | 80 |
| LITTLE OR NOT AT ALL | 15 | 15 | 23 | 18 | 24 | 20 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | | | |
| SATISFIED | 64 | 64 | 63 | 66 | 68 | 72 |
| NEUTRAL | 12 | 17 | 10 | 15 | 11 | 11 |
| DISSATISFIED | 24 | 19 | 27 | 19 | 21 | 17 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | | |
| YES, OR PROBABLY YES | 42 | 52 | 57 | 66 | 68 | 71 |
| NO, OR PROBABLY NO | 58 | 48 | 43 | 34 | 11 | % |
| PLAN TO RETIRE | 0 | 0 | 0 | 1 | 21 | 21 |

TABLE 39

COMPARISON OF CURRENT SURVEY AND PREVIOUS SURVEY TAFMS GROUPS
(PERCENT MEMBERS RESPONDING)

| | 1-48 MONTHS TAFMS | | 49-96 MONTHS TAFMS | | 97+ MONTHS TAFMS | |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | 1995 2E0X1 (N=173) | 1998 2E0X1 (N=184) | 1995 2E0X1 (N=136) | 1998 2E0X1 (N=205) | 1995 2E0X1 (N=430) | 1998 2E0X1 (N=512) |
| <u>EXPRESSED JOB INTEREST:</u> | | | | | | |
| INTERESTING | 80 | 63 | 79 | 66 | 82 | 76 |
| SO-SO | 10 | 21 | 12 | 19 | 11 | 13 |
| DULL | 10 | 16 | 10 | 66 | 7 | 11 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | | |
| FAIRLY WELL TO PERFECTLY LITTLE OR NOT AT ALL | 86 14 | 75 25 | 90 10 | 77 23 | 87 13 | 83 17 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | | |
| FAIRLY WELL TO PERFECTLY LITTLE OR NOT AT ALL | 90 10 | 85 15 | 82 18 | 77 23 | 80 20 | 76 24 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | | | |
| SATISFIED | 75 | 64 | 74 | 63 | 73 | 68 |
| NEUTRAL | 10 | 12 | 14 | 10 | 9 | 11 |
| DISSATISFIED | 14 | 24 | 13 | 27 | 18 | 21 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | | |
| YES, OR PROBABLY YES | 61 | 42 | 73 | 57 | 66 | 68 |
| NO, OR PROBABLY NO | 39 | 58 | 27 | 43 | 13 | 11 |
| PLAN TO RETIRE | 0 | 0 | 0 | 0 | 20 | 21 |

TABLE 40

COMPARISONS OF JOB SATISFACTION INDICATORS FOR MEMBERS OF SPECIALTY JOBS FOR AFSC 2E0X1
(PERCENT MEMBERS RESPONDING)

| | RADAR SYSTEMS MAINTENANCE (STG096) (N=507) | MAINTENANCE CONTROL (STG131) (N=40) | MAINTENANCE SUPPORT EVALUATOR (STG128) (N=32) | ENGINEERING AND INSTALLATION (STG039) (N=27) | RADAR EVALUATION (STG271) (N=18) |
|--|--|--|---|--|---|
| <u>EXPRESSED JOB INTEREST:</u> | | | | | |
| INTERESTING | 75 | 60 | 59 | 70 | 94 |
| SO-SO | 15 | 15 | 22 | 19 | 6 |
| DULL | 10 | 25 | 19 | 11 | 0 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 86 | 70 | 78 | 74 | 100 |
| LITTLE OR NOT AT ALL | 14 | 30 | 22 | 26 | 0 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | | |
| FAIRLY WELL TO PERFECTLY | 89 | 58 | 85 | 70 | 100 |
| LITTLE OR NOT AT ALL | 11 | 43 | 15 | 30 | 0 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | | |
| SATISFIED | 69 | 63 | 63 | 78 | 100 |
| NEUTRAL | 12 | 10 | 6 | 19 | 0 |
| DISSATISFIED | 19 | 28 | 31 | 4 | 0 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | | |
| YES, OR PROBABLY YES | 65 | 63 | 66 | 70 | 83 |
| NO, OR PROBABLY NO | 28 | 23 | 22 | 19 | 17 |
| PLAN TO RETIRE | 6 | 15 | 13 | 11 | 0 |

TABLE 40 (CONTINUED)

COMPARISONS OF JOB SATISFACTION INDICATORS BY SPECIALTY JOBS FOR AFSC 2E0X1
(PERCENT MEMBERS RESPONDING)

| | CONTRACT EVALUATOR/QAE (STG141) (N=16) | TECHNICAL ORDER PERSONNEL (STG104) (N=9) | TRAINING (STG068) (N=30) | SUPERVISORY AND MANAGEMENT (STG079) (N=122) |
|--|---|--|--------------------------------|---|
| <u>EXPRESSED JOB INTEREST:</u> | | | | |
| INTERESTING | 81 | 67 | 93 | 80 |
| SO-SO | 13 | 33 | 7 | 11 |
| DULL | 6 | 0 | 0 | 9 |
| <u>PERCEIVED UTILIZATION OF TALENTS:</u> | | | | |
| FAIRLY WELL TO PERFECTLY LITTLE OR NOT AT ALL | 81 19 | 100 0 | 90 10 | 86 14 |
| <u>PERCEIVED UTILIZATION OF TRAINING:</u> | | | | |
| FAIRLY WELL TO PERFECTLY LITTLE OR NOT AT ALL | 69 31 | 78 22 | 77 20 | 73 27 |
| <u>SENSE OF ACCOMPLISHMENT GAINED FROM WORK:</u> | | | | |
| SATISFIED | 81 | 67 | 73 | 69 |
| NEUTRAL | 6 | 33 | 13 | 11 |
| DISSATISFIED | 13 | 0 | 13 | 20 |
| <u>REENLISTMENT INTENTIONS:</u> | | | | |
| YES, OR PROBABLY YES | 63 | 100 | 77 | 53 |
| NO, OR PROBABLY NO | 19 | 0 | 10 | 8 |
| PLAN TO RETIRE | 19 | 0 | 13 | 39 |

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APPENDIX B

**SELECTED REPRESENTATIVE TASKS PERFORMED BY
MEMBERS OF CAREER LADDER JOBS**

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TABLE B1

TRAINING CLUSTER

| TASKS | PERCENT MEMBERS PERFORMING (N=30) |
|--|--|
| T1039 Develop training materials or aids | 93 |
| T1033 Conduct formal course classroom training | 83 |
| T1050 Personalize lesson plans | 83 |
| T1029 Administer or score tests | 77 |
| T1047 Evaluate progress of trainees | 73 |
| T1048 Inspect training materials or aids for operation or suitability | 70 |
| T1037 Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs) | 67 |
| T1056 Write test questions | 67 |
| T1040 Develop training programs, plans, or procedures | 67 |
| T1049 Maintain training records or files | 60 |
| T1053 Procure training aids, space, or equipment | 57 |
| T1041 Establish or maintain study reference files | 53 |
| T1038 Develop performance tests | 53 |
| T1035 Conduct training conferences, briefings, or debriefings | 53 |
| T1046 Evaluate effectiveness of training programs, plans, or procedures | 53 |
| S954 Conduct self-inspections or self-assessments | 47 |
| T1054 Schedule training | 43 |
| T1034 Conduct OJT | 43 |
| T1036 Determine training requirements | 43 |
| T1031 Brief organizational personnel concerning training programs or matters | 43 |
| T1044 Evaluate training methods or techniques of instructors | 40 |
| T1043 Evaluate personnel to determine training needs | 37 |
| S1006 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 37 |
| A46 Read and interpret equipment technical manuals | 33 |
| T1055 Schedule personnel for training | 33 |
| A45 Provide technical assistance | 30 |

TABLE B2

MAINTENANCE CONTROL JOB

| TASKS | | PERCENT MEMBERS PERFORMING (N=40) |
|-------|--|--|
| Q851 | Issue job control numbers | 100 |
| Q856 | Maintain equipment status reports | 98 |
| Q848 | Input core automated maintenance system (CAMS) data on computer terminals | 93 |
| Q880 | Review CAMS output data | 93 |
| Q877 | Report communications outages | 88 |
| Q859 | Maintain master equipment identification listings | 80 |
| Q882 | Review status of awaiting parts (AWP) equipment | 80 |
| Q865 | Maintain documentation on items requiring periodic inspections | 78 |
| Q833 | Coordinate maintenance of equipment with appropriate agencies | 78 |
| Q862 | Maintain TCTOs, TCTO status reports, or TCTO history listings | 75 |
| Q873 | Prepare monthly maintenance reports | 73 |
| Q861 | Maintain support equipment daily status records | 65 |
| U1083 | Maintain or update status indicators, such as boards, graphs, or charts | 65 |
| Q836 | Document equipment cannibalization | 65 |
| Q839 | Estimate job durations | 63 |
| T1034 | Conduct OJT | 63 |
| Q860 | Maintain status records or maintenance requirement records | 60 |
| S964 | Determine or establish work assignments or priorities | 60 |
| S1006 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 60 |
| U1068 | Initiate or maintain standby rosters or workcenter pyramid recall rosters | 53 |
| Q832 | Coordinate supply-related matters with appropriate agencies | 53 |
| Q842 | Identify and report equipment or supply problems | 50 |
| T1049 | Maintain training records or files U1059 | 48 |
| S969 | Develop or establish work methods or procedures | 45 |
| S954 | Conduct self-inspections or self-assessments | 45 |
| T1036 | Determine training requirements | 43 |
| T1054 | Schedule training | 43 |

TABLE B3

SUPERVISORY AND MANAGEMENT CLUSTER

| TASKS | PERCENT MEMBERS PERFORMING (N=122) |
|--|---|
| S956 Conduct supervisory performance feedback sessions | 93 |
| S960 Counsel subordinates concerning personal matters | 91 |
| S1022 Supervise military personnel | 90 |
| S1025 Write performance reports or supervisory appraisals | 90 |
| S1006 Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 89 |
| S1027 Write recommendations for awards or decorations | 87 |
| S964 Determine or establish work assignments or priorities | 83 |
| S953 Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 82 |
| S958 Conduct supervisory orientations for newly assigned personnel | 81 |
| S1002 Inspect personnel for compliance with military standards | 80 |
| S979 Establish performance standards for subordinates | 77 |
| S990 Evaluate personnel for promotion, demotion, reclassification, or special awards | 77 |
| S950 Assign personnel to work areas or duty positions | 77 |
| S1003 Interpret policies, directives, or procedures for subordinates | 76 |
| S970 Develop or establish work schedules | 74 |
| S962 Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 68 |
| S969 Develop or establish work methods or procedures | 67 |
| S1018 Schedule personnel for temporary duty (TDY) assignments, leaves, or passes | 65 |
| S1020 Schedule work assignments or priorities | 65 |
| S992 Evaluate work schedules | 65 |
| S951 Assign sponsors for newly assigned personnel | 65 |
| S1028 Write replies to inspection reports | 63 |
| S988 Evaluate logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 62 |
| S954 Conduct self-inspections or self-assessments | 61 |
| S987 Evaluate job-related suggestions | 61 |
| S986 Evaluate job or position descriptions | 61 |
| S957 Conduct safety inspections of equipment or facilities | 61 |
| T1049 Maintain training records or files | 59 |
| S1001 Initiate actions required due to substandard performance of personnel | 59 |
| S984 Evaluate inspection report findings or inspection procedures | 58 |
| S1024 Write job or position descriptions | 57 |
| Q832 Coordinate supply-related matters with appropriate agencies | 55 |
| S998 Indorse performance reports or supervisory appraisals | 54 |
| S993 Evaluate workload requirements | 53 |
| S980 Establish procedures for accountability of equipment, tools, parts, or supplies | 52 |
| S995 Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace | 51 |

TABLE B4

MAINTENANCE SUPPORT EVALUATOR

| TASKS | | PERCENT MEMBERS PERFORMING (N=32) |
|-------|--|--|
| S1023 | Write inspection reports | 97 |
| P826 | Perform technical inspections | 91 |
| P823 | Perform surveillance of equipment condition, such as technical order (TO) completeness or corrosion control | 88 |
| P822 | Perform surveillance of maintenance management functions | 88 |
| P825 | Perform surveillance of site support functions, such as TMDE, technical data, or supply functions | 84 |
| S984 | Evaluate inspection report findings or inspection procedures | 81 |
| S954 | Conduct self-inspections or self-assessments | 81 |
| T1042 | Evaluate maintenance standardization/evaluation programs (MSEPs) | 78 |
| U1081 | Maintain TO libraries | 78 |
| U1072 | Maintain ATOMS accounts | 75 |
| S1006 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 72 |
| U1077 | Maintain publications libraries, other than TO libraries | 72 |
| S967 | Develop self-inspection or self-assessment program checklists | 72 |
| T1046 | Evaluate effectiveness of training programs, plans, or procedures | 69 |
| U1063 | Establish automated technical order management system (ATOMS) accounts | 66 |
| U1079 | Maintain TCTOs | 66 |
| U1089 | Review TO changes | 66 |
| S955 | Conduct staff assistance visits, inspections, or audits | 63 |
| S957 | Conduct safety inspections of equipment or facilities | 63 |
| S995 | Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace | 63 |
| U1090 | Review TOs | 63 |
| Q845 | Initiate quality control discrepancy reports | 63 |
| Q878 | Research Federal Logistics (FEDLOG) systems | 63 |
| U1059 | Compile data for records, reports, logs, or trend analyses | 59 |
| S991 | Evaluate safety or security programs | 59 |
| Q880 | Review CAMS output data | 59 |
| Q848 | Input core automated maintenance system (CAMS) data on computer terminals | 59 |
| S1022 | Supervise military personnel | 59 |
| T1043 | Evaluate personnel to determine training needs | 59 |
| S963 | Determine or establish publications requirements | 59 |
| S985 | Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program | 56 |
| A45 | Provide technical assistance | 56 |
| U1071 | Maintain administrative files | 56 |
| S1007 | Perform grounding inspections | 56 |
| T1049 | Maintain training records or files | 56 |

TABLE B5

CONTRACT EVALUATOR/ QUALITY ASSURANCE EVALUATOR

| TASKS | | PERCENT MEMBERS PERFORMING (N=16) |
|-------|--|--|
| P819 | Evaluate contractor proposals | 100 |
| P815 | Develop, evaluate, or rate contract data requirements list (CDRL) items | 100 |
| P814 | Develop contractor surveillance implementation plans | 100 |
| P813 | Coordinate contract issues, such as modification proposals or equipment authorizations, with contract parties | 94 |
| P822 | Perform surveillance of maintenance management functions | 94 |
| P820 | Initiate contractor discrepancy reports | 94 |
| P823 | Perform surveillance of equipment condition, such as technical order (TO) completeness or corrosion control | 94 |
| P827 | Recommend contract changes | 94 |
| P830 | Write quality assurance surveillance plans | 88 |
| P825 | Perform surveillance of site support functions, such as TMDE, technical data, or supply functions | 81 |
| P817 | Establish quality standards for contractor ratings | 81 |
| S1006 | Participate in general meetings, such as staff meetings, briefings, conferences, or workshops, other than conducting | 75 |
| P829 | Write surveillance reports | 75 |
| S991 | Evaluate safety or security programs | 75 |
| U1061 | Coordinate requests for TDY orders with appropriate agencies | 69 |
| S984 | Evaluate inspection report findings or inspection procedures | 69 |
| P818 | Evaluate CIPs | 69 |
| P824 | Perform surveillance of equipment performance, such as power out or minimum discernible signal | 69 |
| U1059 | Compile data for records, reports, logs, or trend analyses | 63 |
| S953 | Conduct general meetings, such as staff meetings, briefings, conferences, or workshops | 63 |
| S954 | Conduct self-inspections or self-assessments | 56 |
| P828 | Write contracts | 56 |
| S957 | Conduct safety inspections of equipment or facilities | 56 |
| S1023 | Write inspection reports | 56 |
| P826 | Perform technical inspections | 56 |
| A39 | Perform visual inspections of communications-electronics systems | 56 |
| A46 | Read and interpret equipment technical manuals | 56 |
| S1009 | Plan briefings, conferences, or workshops | 56 |
| S988 | Evaluate logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace | 50 |
| S985 | Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program | 50 |
| S964 | Determine or establish work assignments or priorities | 50 |
| A45 | Provide technical assistance | 50 |
| S967 | Develop self-inspection or self-assessment program checklists | 50 |

TABLE B6

TECHNICAL ORDER PERSONNEL

| TASKS | PERCENT MEMBERS PERFORMING (N=9) |
|--|---|
| U1072 Maintain ATOMS accounts | 100 |
| U1081 Maintain TO libraries | 100 |
| P826 Perform technical inspections | 89 |
| P823 Perform surveillance of equipment condition, such as technical order (TO) completeness or corrosion control | 78 |
| U1090 Review TOs | 78 |
| U1063 Establish automated technical order management system (ATOMS) accounts | 67 |
| U1089 Review TO changes | 67 |
| U1079 Maintain TCTOs | 56 |
| P825 Perform surveillance of site support functions, such as TMDE, technical data, or supply functions | 56 |
| S957 Conduct safety inspections of equipment or facilities | 56 |
| Q880 Review CAMS output data | 56 |
| T1042 Evaluate maintenance standardization/evaluation programs (MSEPs) | 44 |
| U1071 Maintain administrative files | 44 |
| T1049 Maintain training records or files | 44 |
| P824 Perform surveillance of equipment performance, such as power out or minimum discernible signal | 44 |
| Q872 Prepare materiel deficiency reports (MDRs) | 44 |
| Q845 Initiate quality control discrepancy reports | 44 |
| T1055 Schedule personnel for training | 33 |
| S1002 Inspect personnel for compliance with military standards | 33 |
| U1088 Review publishing bulletins | 33 |
| S954 Conduct self-inspections or self-assessments | 33 |
| Q848 Input core automated maintenance system (CAMS) data on computer terminals | 33 |
| Q862 Maintain TCTOs, TCTO status reports, or TCTO history listings | 33 |
| U1077 Maintain publications libraries, other than TO libraries | 33 |

TABLE B7

RADAR SYSTEMS MAINTENANCE CLUSTER

| TASKS | PERCENT MEMBERS PERFORMING (N=507) |
|---|---|
| A32 Perform general soldering | 97 |
| D124 Perform PMIs on transmitter systems | 96 |
| A31 Perform equipment maintenance using test equipment | 96 |
| A8 Clean or replace filters | 94 |
| D98 Adjust or align transmitter high-voltage power supplies | 91 |
| A29 Perform corrosion control on mechanical assemblies, such as antenna towers, equipment racks, or equipment vans | 91 |
| A46 Read and interpret equipment technical manuals | 90 |
| E211 Perform PMIs on antenna systems | 89 |
| A51 Remove or replace general electronics hardware, such as sockets, meters, fuse holders, or clamps | 88 |
| A25 Lubricate mechanical bearing surfaces, such as antenna rotary joints or bull gears | 88 |
| D99 Adjust or align transmitter high-voltage protective or fault circuits | 88 |
| A16 Fabricate cables, such as coaxial, power, or triaxial | 86 |
| A39 Perform visual inspections of communications-electronics systems | 85 |
| A28 Perform corrosion control on electrical assemblies, such as electronic component boards | 82 |
| F360 Perform PMIs on receiver or processor systems | 81 |
| D137 Remove or replace transmitter high-voltage power supplies | 81 |
| Q878 Research Federal Logistics (FEDLOG) systems | 80 |
| D101 Adjust or align transmitter modulators | 80 |
| D114 Isolate transmitter high-voltage protective or fault circuit malfunctions | 79 |
| A43 Prepare equipment for test measurement and diagnostic equipment (TMDE) processing | 79 |
| A41 Performance check interlock protective circuits | 78 |
| A12 Determine locations of shorts or opens in cable runs | 78 |
| A42 Performance check system grounds | 77 |
| D115 Isolate transmitter modulator malfunctions | 77 |
| D108 Isolate air circulating system malfunctions, such as fans or blowers | 77 |
| E168 Adjust or align gas or air waveguide pressurizing/dehydrating systems | 77 |
| Q850 Inventory equipment, tools, parts, or supplies | 76 |
| C90 Perform PMIs on timing systems | 76 |
| Q848 Input core automated maintenance system (CAMS) data on computer terminals | 76 |
| D126 Performance check transmitter systems, other than during PMIs | 75 |
| A23 Isolate interlock protective circuit malfunctions | 74 |
| D138 Remove or replace transmitter high-voltage power supply subassemblies | 74 |
| D148 Repair transmitter system component malfunctions | 73 |
| D140 Remove or replace transmitter modulator subassemblies | 73 |
| D103 Adjust or align transmitter performance monitor circuits, such as power monitors or voltage standing wave ratio monitors | 73 |

TABLE B8

ENGINEER AND INSTALLATION

| TASKS | | PERCENT MEMBERS PERFORMING (N=27) |
|-------|--|--|
| O770 | Install or remove equipment cabinets or consoles | 96 |
| O771 | Install or remove external power or signal cabling | 93 |
| O781 | Install or remove interconnecting cables or harnesses | 93 |
| O767 | Install or remove conduits | 89 |
| O804 | Pack or unpack support equipment | 85 |
| O766 | Install or remove cable troughs or ducting | 85 |
| O765 | Install or remove cable support systems | 81 |
| O764 | Install or remove cable junction boxes | 81 |
| O777 | Install or remove grounding systems | 81 |
| A17 | Fabricate minor hardware, such as clamps, brackets, or braces | 78 |
| O776 | Install or remove ground anchoring equipment | 74 |
| A16 | Fabricate cables, such as coaxial, power, or triaxial | 70 |
| A32 | Perform general soldering | 70 |
| O803 | Inventory or inspect project (scheme) materials | 67 |
| O808 | Review project (scheme) packages | 67 |
| O790 | Install or remove radar pedestal systems | 67 |
| O774 | Install or remove fixed shelters | 67 |
| O755 | Conduct shakedown tests | 67 |
| O775 | Install or remove fixed-site antennas | 67 |
| O782 | Install or remove lightning arrestors | 67 |
| A14 | Fabricate cable harnesses | 67 |
| O784 | Install or remove obstruction lights | 67 |
| A18 | Fabricate system grounds | 63 |
| O773 | Install or remove fiber optics remoting equipment | 63 |
| A12 | Determine locations of shorts or opens in cable runs | 63 |
| A19 | Fabricate test cables or plugs | 59 |
| R907 | Don or doff chemical warfare personal protective ensembles | 59 |
| O800 | Install or remove waveguide systems | 59 |
| A39 | Perform visual inspections of communications-electronics systems | 59 |
| O791 | Install or remove radar reflectors | 56 |
| O780 | Install or remove IFF/SIF fixed radar systems | 56 |
| O757 | Install or remove antenna control units | 56 |
| O809 | Rig equipment for lifting by special purpose vehicles, such as cranes | 52 |
| O812 | Validate completion of project support agreements, such as allied support | 52 |
| O763 | Install or remove building intercommunications systems | 52 |
| O762 | Install or remove bright radar indicator tower equipment (BRITE) systems | 52 |
| Q850 | Inventory equipment, tools, parts, or supplies | 48 |
| T1049 | Maintain training records or files | 48 |
| R924 | Pack or palletize mobility or contingency equipment for shipment or movement | 48 |

TABLE B9
RADAR EVALUATION

| TASKS | PERCENT MEMBERS PERFORMING (N=18) |
|--|--|
| N737 Analyze radar performance using computers or specialized hardware | 100 |
| N741 Evaluate beacon systems | 100 |
| N738 Construct radar coverage indicators (RCIs) | 100 |
| N752 Perform solar boresights | 100 |
| N753 Predict theoretical radar detection capabilities | 100 |
| N751 Perform prefield studies | 100 |
| N742 Evaluate fixed radars | 94 |
| N754 Prepare evaluation report products | 94 |
| N749 Perform clutter tests | 94 |
| N739 Develop evaluation operating instructions (EOIs) | 94 |
| N748 Perform azimuth orientation checks | 89 |
| N750 Perform lobing studies | 89 |
| N743 Evaluate mobile radars | 72 |
| A46 Read and interpret equipment technical manuals | 72 |
| N746 Measure or plot antenna beam patterns | 67 |
| N747 Perform annular subclutter visibility (ASCV) checks | 67 |
| A45 Provide technical assistance | 67 |
| U1061 Coordinate requests for TDY orders with appropriate agencies | 61 |
| N744 Evaluate prototype radars or modified equipment | 61 |
| E210 Level antenna pedestals | 56 |
| E165 Adjust or align azimuth change pulse (ACP) or azimuth reference pulse (ARP) generators | 50 |
| A32 Perform general soldering | 50 |
| T1034 Conduct OJT | 44 |
| J574 Performance check IFF/SIF systems, other than during PMIs | 44 |
| A5 Calculate refractive indices using weather data | 44 |
| J529 Adjust or align identification friend or foe/selective identification feature (IFF/SIF) antenna systems | 44 |
| A19 Fabricate test cables or plugs | 44 |
| N745 Measure antenna contours | 39 |

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